How to Use Color-Navi

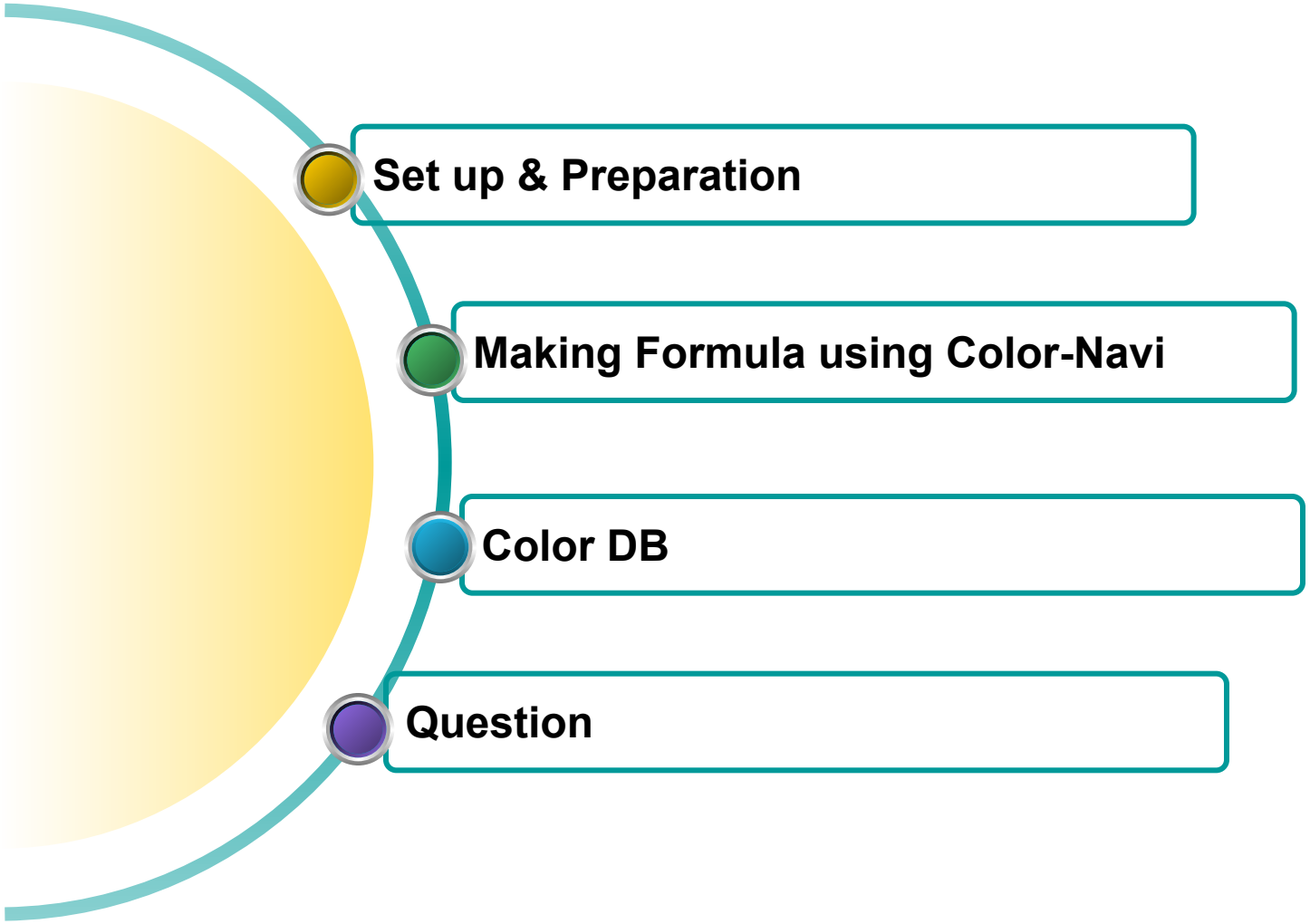
Metallic-CCM

KCC Corporation

Color-Navi (Metallic-CCM for BAROMATCH)

KCC Corporation

Contents


Set up & Preparation
Making Formula using Color-Navi
Color DB
Question

1. Set up

1 Components

Computer

- CPU : Core2 Duo 2.4Ghz
- RAM : 4GB
- HDD : 100GB

Color-Navi

- CCM Software
- Careful of virus

Spectrophotometer

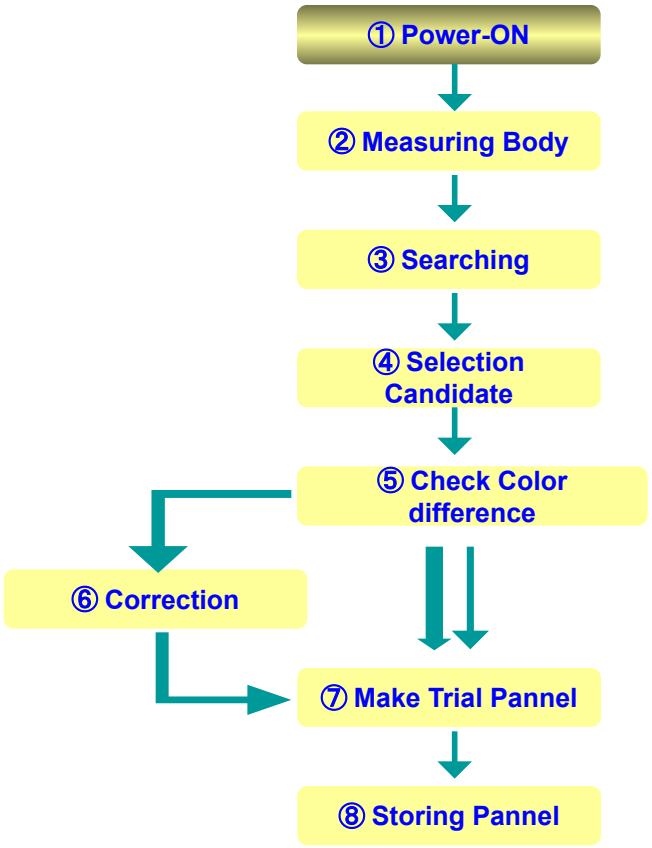
- AA Battery (4ea)
- USB Connection Cable

Semi-Booth
(for Trial pannels)

Baromatch

2. How to use CCM (Metallic)

1 Power On



2. How to use CCM (Metallic)

2 Measuring Body

① Power-ON

② Measuring Body

③ Searching

④ Selection Candidate

⑤ Check Color difference

⑥ Correction

⑦ Make Trial Pannel

⑧ Storing Pannel

Calibration
: every 1month

Body Measure
(cleaning Target → Measure)

Measured Data Load

2. How to use CCM (Metallic)

3 Searching

① Power-ON

② Measuring Body

③ Searching

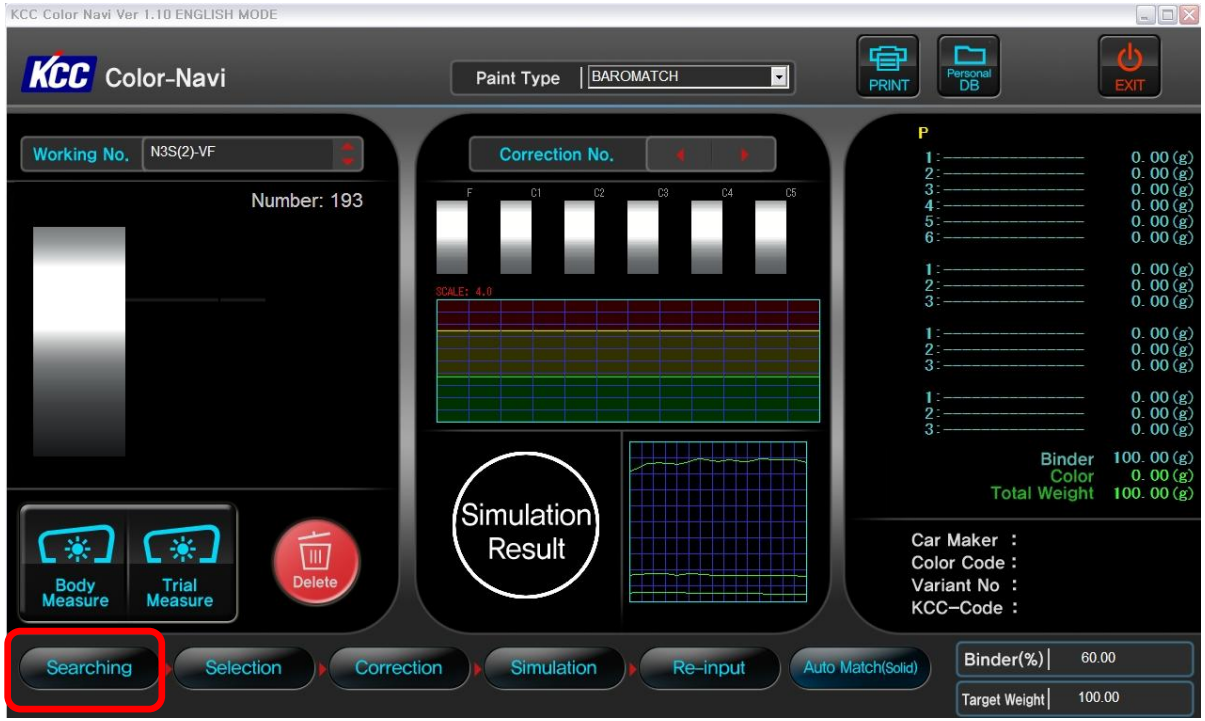
④ Selection Candidate

⑤ Check Color difference

⑥ Correction

⑦ Make Trial Pannel

⑧ Storing Pannel



2. How to use CCM (Metallic)

4 Selection Candidate

① Power-ON

② Measuring Body

③ Searching

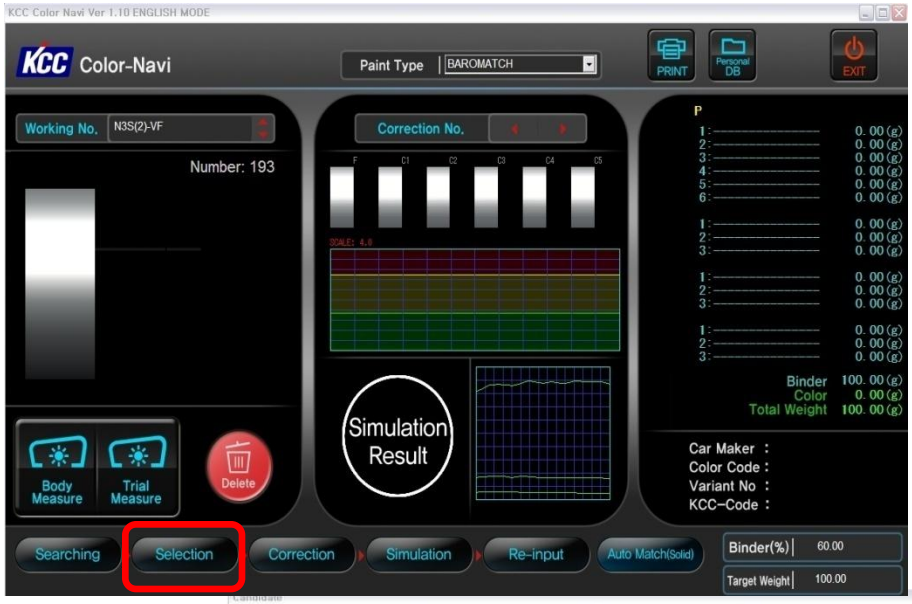
④ Selection Candidate

⑤ Check Color difference

⑥ Correction

⑦ Make Trial Pannel

⑧ Storing Pannel



Tip :

① Considerinig about Sparkling, the KCC code can be helpful.

② Also, it can be a good choice that has similar shape of R-Curve.

2. How to use CCM (Metallic)

5 Check how different

① Power-ON

② Measuring Body

③ Searching

④ Selection Candidate

⑤ Check Color difference

⑥ Correction

⑦ Make Trial Pannel

⑧ Storing Pannel

2. How to use CCM (Metallic)

6 Auto-correction / Manual Simulation

① Power-ON
② Measuring Body
③ Searching
④ Selection Candidate
⑤ Check Color difference
⑥ Correction
⑦ Make Trial Pannel
⑧ Storing Pannel

① Move to next step.
(Now you are C1, after click here, then you'll be C2)

② After move next step, please click here, then you can get a corrected formula.

2. How to use CCM (Metallic)

6 Auto-Correction / Manual Simulation

① Power-ON

② Measuring Body

③ Searching

④ Selection Candidate

⑤ Check Color difference

⑥ Correction

⑦ Make Trial Pannel

⑧ Storing Pannel

Tip :

① You can make manual formula which has smaller dE at specific degree.

② You can also make formula which will be close to actual viewing, even though that formula drive to bigger dE.

2. How to use CCM (Metallic)

7 Make Trial Pannel

① Power-ON
↓
② Measuring Body
↓
③ Searching
↓
④ Selection Candidate
↓
⑤ Check Color difference
↓
⑥ Correction
↓
⑦ Make Trial Pannel
↓
⑧ Storing Pannel

2. How to use CCM (Metallic)

8 Storing Pannel

① Power-ON

↓

② Measuring Body

↓

③ Searching

↓

④ Selection Candidate

↓

⑤ Check Color difference

↓

⑥ Correction

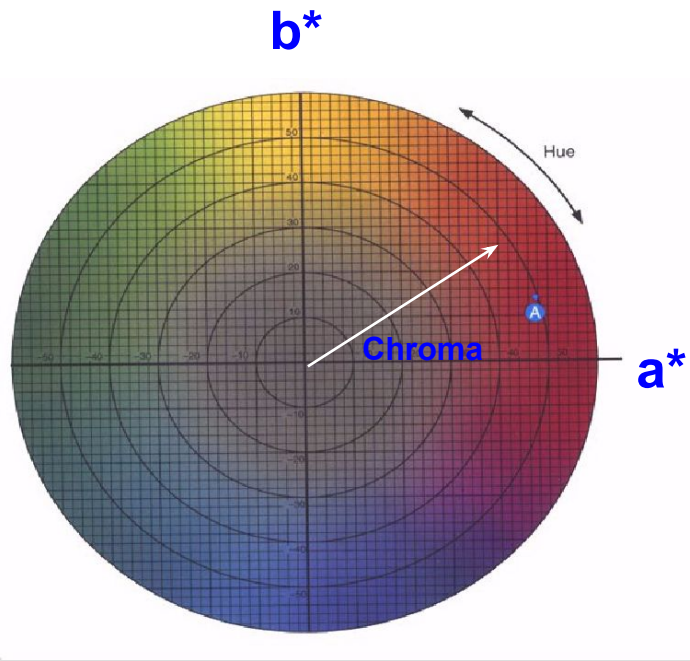
↓

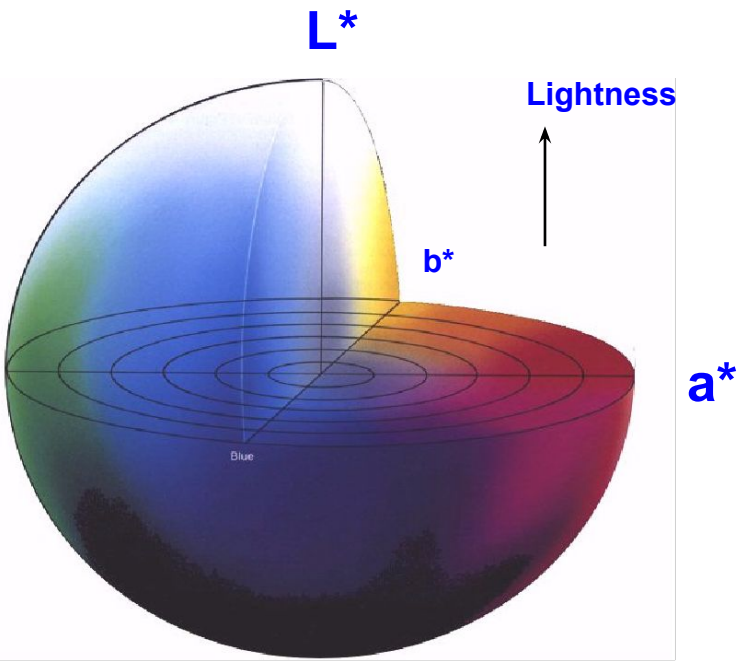
⑦ Make Trial Pannel

↓

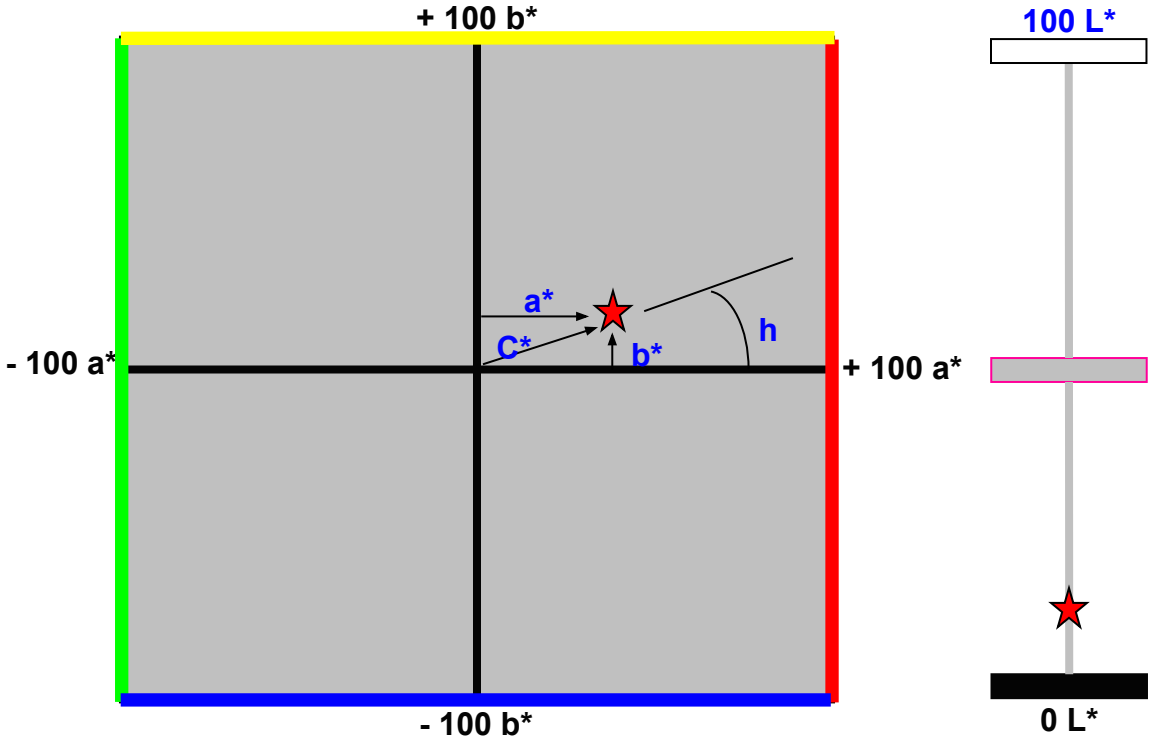
⑧ Storing Pannel

CIELab UCS (Uniform Color Space)





* CIE_Lab



	Illum	*L**	*a**	*b**
BARN RED 4X	D65	30.86	44.04	18.50

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Color difference

Target

Trial

=

Trial is ..
Lighter
Redder
More Yellowish

L* = 30.86	L* = 32.91	DL* = 2.05
a* = 44.04	a* = 46.66	Da* = 2.62
b* = 18.50	b* = 19.54	Db* = 1.04

* CIE_Lab

- CIELab

  +DL* Lighter

  – DL* Darker

  +Da* Redder (or) less Green

  – Da* more Greenish (or) less Red

  +Db* more Yellowish (or) less Blue

  – Db* more Bluish (or) less Yellow

$$\Delta E^*_{ab} = \left[(\Delta L^*)^2 + (\Delta a^*)^2 + (\Delta b^*)^2\right]^{1/2}$$