

# Converting Colors

HunterLab(40.1818, 42.4065,  
25.3412)

Have a look what the booklet for  
HunterLab(40.1818, 42.4065,  
25.3412) contains.

<b>HunterLab(40.1855, 42.4006, 25.3350)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**HunterLab(40.1855, 42.4006,  
25.3350)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C64404
RGB	198, 68, 4
RGB Percent	78%, 27%, 2%
CMY	0.2235, 0.7333, 0.9843
CMYK	0.00, 0.66, 0.98, 0.22
HSL	20°, 96%, 40%
HSV	20°, 98%, 78%
XYZ	25.3777, 16.1487, 1.8943
YIQ	99.5740, 98.0240, 7.6560

# Conversions

## Conversions Part 2

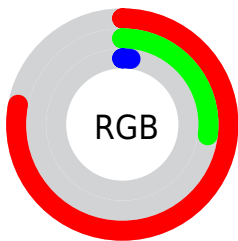
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 100, 4
Decimal	12993540
CIE <sub>Lab</sub>	47.17, 49.68, 57.09
CIE <sub>LCh</sub>	47, 75.679, 48.969
Yxy	16.1497, 0.5844, 0.3719
Android (android.graphics.Color)	4291183620 (0xFFC64404)
YUV	99.5740, -47.1180, 86.3196
Hunter-Lab	40.1855, 42.4006, 25.3350

# Details

The HunterLab color **40.1855, 42.4006, 25.3350** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **45.9903, -7.6432, -40.6703**, and the grayscale version is **35.6852, -1.9041, 1.9388**.

A 20% lighter version of the original color is **59.5953, 42.5985, 33.0758**, and **22.6956, 38.8669, 14.6653** is the 20% darker color. If you saturate the color by 10%, you get **39.7793, 43.4545, 25.2726**, and if you desaturate by 10%, it is **42.4225, 36.9031, 25.5939**.

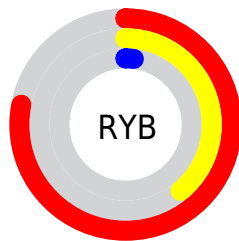
# Distribution



Red (78%)

Green (27%)

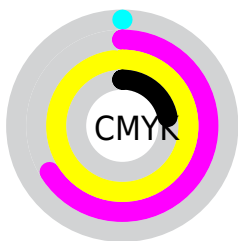
Blue (2%)



Red (78%)

Yellow (39%)

Blue (2%)

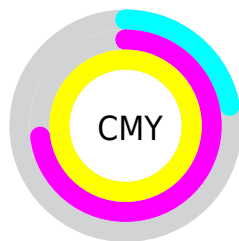


Cyan (0%)

Magenta (66%)

Yellow (98%)

Black (22%)



Cyan (22%)

Magenta (73%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 40.1855, 42.4006, 25.3350 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the HunterLab color 40.1855, 42.4006, 25.3350 by changing the saturation by 10% instead.



40.1855, 42.4006,  
25.3350

40.1855, 42.4006,  
25.3350

151.7311, 54.4910,  
59.0408

31.0325, 40.5395,  
20.7880

60.7107, 45.7878,  
33.9518

22.7034, 38.6087,  
15.8924

71.9829, 47.3166,  
37.9408

15.2910, 36.7116,  
10.7037

83.8774, 48.7402,  
41.7586

8.9095, 35.3638,  
6.2367

96.3633, 50.0647,  
45.4309

0.0000, INF, NaN

0.0000, NaN, NaN

109.4137, 51.2964,  
48.9791


0.0000, NaN, NaN


123.0053, 52.4412,


0.0000, NaN, NaN


52.4208


0.0000, NaN, NaN


 137.1173, 53.5044,  
55.7706


 40.1855, 42.4006,  
25.3350


 40.1855, 42.4006,  
25.3350


 39.7793, 43.4545,  
25.2726

 42.4225, 36.9031,  
25.5939

 45.0409, 31.2993,  
25.2167

 48.0147, 25.7905,  
24.1581

 51.3097, 20.5036,  
22.4722

 54.8913, 15.5108,  
20.2347

■ 58.7273, 10.8437,  
17.5247

■ 62.7887, 6.5067,  
14.4148

■ 67.0501, 2.4876,  
10.9677

■ 71.4896, -1.2350,  
7.2359

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.1867, 66.9852, 16.0950



40.1855, 42.4006, 25.3350



40.1867, 9.3197, 27.4037

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



40.1867, 42.3968, 25.3355



40.1867, -44.1078, 11.2201



40.1867, 18.0530, -89.9226

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



40.1855, 42.4006, 25.3350



45.9903, -7.6432, -40.6703

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.1867, -12.4556, -95.3240



40.1855, 42.4006, 25.3350



40.1867, -43.0158, -19.6611

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



40.1867, 42.3968, 25.3355



40.1867, -36.6683, 23.9574



40.1867, -33.0711, -63.7272



40.1867, 50.3584, -51.9696



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



40.1855, 42.4006, 25.3350



40.1867, -10.6310, 27.4525



40.1867, -33.0711, -63.7272



40.1867, 7.1063, -96.2823

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



40.1867, 42.3968, 25.3355



82.7502, 9.4722, 19.8145



37.2643, 68.0305, -13.2438



37.1934, 5.5263, 10.0100

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



40.1867, 42.3968, 25.3355



52.5561, 58.8960, 33.4159



61.6505, -2.7665, 37.8298



33.4650, -0.3441, 3.6726



32.2981, 34.4318, 20.5047



7.9202, 5.2045, 4.9715

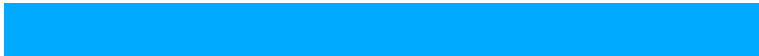


# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



45.9903, -7.6432, -40.6703



60.2456, -8.8767, -56.1395



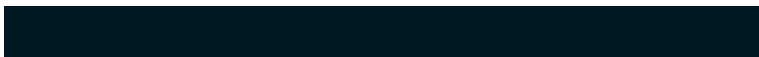
23.6466, 41.5582, -118.6576



33.8452, -3.1112, -0.0763



36.9656, -6.0906, -33.0559



8.8067, -2.4623, -5.6922



# Previews

## White Background



This preview shows how the HunterLab color 40.1855, 42.4006, 25.3350 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 40.1855, 42.4006, 25.3350 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

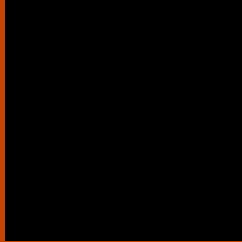
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

## HunterLab 40.1855, 42.4006, 25.3350 Background



This preview shows how black text looks on a background with the HunterLab color 40.1855, 42.4006, 25.3350.



This preview shows how white text looks on a background with the HunterLab color 40.1855, 42.4006,

25.3350.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

40.1855, 42.4006, 25.3350

### Protanopia

40.4678, -5.5685, 23.7991

### Deuteranopia

40.3313, 2.0615, 24.8881



## Tritanopia

40.1278, 46.9614, 17.7027

# Trichromacy



## Original Color

40.1855, 42.4006, 25.3350

## Protanomaly

39.1870, 11.1267, 23.6578

## Deuteranomaly

39.3856, 16.3700, 24.5126

## Tritanomaly

40.1305, 44.9662, 21.9949

# Monochromacy



## Original Color

40.1855, 42.4006, 25.3350

## Achromatopsia

35.6984, -1.9048, 1.9396

## Achromatomaly

35.4899, 11.3107, 13.7119

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 40.1855, 42.4006, 25.3350 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(198, 68, 4)` looks like.

```
.text, #text, p{  
    color:rgb(198, 68, 4)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(198, 68, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 68, 4) }
```

## Border

The CSS property to change the border of an element to HunterLab 40.1855, 42.4006, 25.3350 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 68, 4) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(198, 68, 4) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(198, 68, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 68, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 68, 4);  
box-shadow:4px 4px 4px 4px rgb(198, 68, 4)  
}
```

# Background

The CSS property to change the background color of an element to HunterLab 40.1855, 42.4006, 25.3350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 68, 4) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(198, 68,  
4) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor