

# Converting Colors

HunterLab(84.3594, -7.5691,  
51.8494)

Have a look what the booklet for  
HunterLab(84.3594, -7.5691,  
51.8494) contains.

<b>HunterLab(84.5002, -7.7977, 51.9321)</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(84.5002, -7.7977,  
51.9321)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDA00
RGB	255, 218, 0
RGB Percent	100%, 85%, 0%
CMY	0.0000, 0.1451, 0.9999
CMYK	0.00, 0.15, 1.00, 0.00
HSL	51°, 100%, 50%
HSV	51°, 100%, 100%
XYZ	66.3114, 71.4028, 10.2872
YIQ	204.2110, 92.0300, -59.9540

# Conversions

## Conversions Part 2

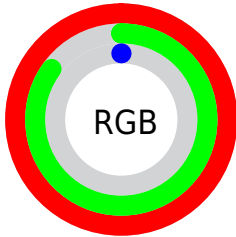
Format	Color
R <sub>Y</sub> B	43, 255, 0
Decimal	16767488
CIE Lab	87.68, -3.44, 87.67
CIE LCh	88, 87.735, 92.249
Yxy	71.4063, 0.4480, 0.4824
Android (android.graphics.Color)	4294957568 (0xFFFFDA00)
YUV	204.2110, -100.6760, 44.5420
Hunter-Lab	84.5002, -7.7977, 51.9321

# Details

The HunterLab color **84.5002, -7.7977, 51.9321** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **29.2312, 63.1130, -172.7756**, and the grayscale version is **78.1886, -4.1719, 4.2481**.

A 20% lighter version of the original color is **96.6961, -23.7482, 53.3728**, and **61.5535, -5.4451, 37.8337** is the 20% darker color. If you saturate the color by 10%, you get **84.5009, -7.7994, 51.9325**, and if you desaturate by 10%, it is **85.6850, -9.4062, 51.9767**.

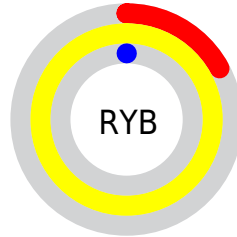
# Distribution



Red (100%)

Green (85%)

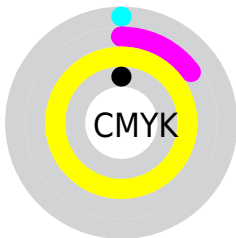
Blue (0%)



Red (17%)

Yellow (100%)

Blue (0%)

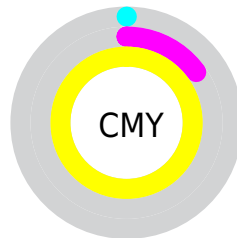


Cyan (0%)

Magenta (15%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 84.5002, -7.7977, 51.9321 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 84.5002, -7.7977, 51.9321 by changing the saturation by 10% instead.



84.5002, -7.7977,  
51.9321

84.5002, -7.7977,  
51.9321

215.7481,  
-16.0333, 95.1605

72.5767, -6.9992,  
46.3248

110.0964, -9.4759,  
62.5524

61.2719, -6.2210,  
40.5007

123.7151,  
-10.3477, 67.5990

50.6239, -5.4669,  
34.4718

137.8532,  
-11.2418, 72.4929

40.6760, -4.7369,  
28.4732

152.4922,  
-12.1578, 77.2498

31.4816, -4.0303,  
22.0371

167.6156,  
-13.0954, 81.8834

23.1083, -3.3458,  
16.1758

183.2084,

15.6463, -2.6798,

-14.0541, 86.4060

10.9524

199.2567,  
-15.0335, 90.8285

■ 9.2220, -2.1194,  
6.4554

0.0000, NaN, NaN

■ 84.5002, -7.7977,  
51.9321

■ 84.5002, -7.7977,  
51.9321

■ 84.5009, -7.7994,  
51.9325

■ 85.6850, -9.4062,  
51.9767

■ 86.9307, -10.7076,  
51.2404

■ 88.2532, -11.6254,  
49.5191

■ 89.6591, -12.1204,  
46.7177

■ 91.1527, -12.1664,  
42.7769

■ 92.7370, -11.7470,  
37.6628

■ 94.4136, -10.8537,  
31.3618

■ 96.1834, -9.4842,  
23.8761

■ 98.0463, -7.6415,  
15.2208

# Harmonies

## Analogous

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



84.5022, 38.5054, 49.2779



84.5002, -7.7977, 51.9321



84.5022, -45.0129, 48.2346

# Triad

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



84.5022, -7.8013, 51.9327



84.5022, -64.7229, -50.4632



84.5022, 83.9436, -41.9978

# Complementary

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



84.5002, -7.7977, 51.9321



29.2312, 63.1130, -172.7756

# 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.



84.5022, 45.4254, -95.4280



84.5002, -7.7977, 51.9321



84.5022, -40.3444, -101.8258

# Square

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



84.5022, -7.8013, 51.9327



84.5022, -73.4150, 1.3866



84.5022, -1.1744, -121.4529



84.5022, 97.4890, 7.6913



# Rectangle

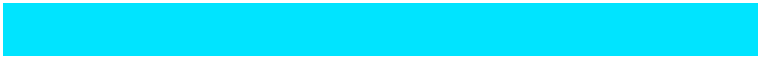
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.5002, -7.7977, 51.9321



84.5022, -61.4475, 40.4785



84.5022, -1.1744, -121.4529



84.5022, 73.1464, -60.8309

# Sweetspot

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



84.5022, -7.8013, 51.9327



94.4120, -10.8550, 31.3699



46.2625, 79.5287, 27.5190



43.3471, -5.2230, 15.8090

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



84.5022, -7.8013, 51.9327



84.5012, -7.7994, 51.9327



89.2191, -53.2270, 54.0440



45.4037, -3.4885, 6.8346



61.2226, -5.8653, 37.6224



19.4083, -2.3198, 11.9187



# Inverse Universe

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



29.2312, 63.1130, -172.7756



29.2283, 63.1233, -172.7978



30.5905, 75.9829, -163.1860



42.1934, -1.0074, -2.4734



21.4270, 44.4824, -122.8066



7.5373, 10.9349, -33.0264



# Previews

## White Background



This preview shows how the HunterLab color 84.5002, -7.7977, 51.9321 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 84.5002, -7.7977, 51.9321 looks on a black 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 ✓ Pass

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

## HunterLab 84.5002, -7.7977, 51.9321 Background



This preview shows how black text looks on a background with the HunterLab color 84.5002, -7.7977, 51.9321.



This preview shows how white text looks on a background with the HunterLab color 84.5002, -7.7977,



# 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

84.5002, -7.7977, 51.9321

### Protanopia

84.6668, -11.9600, 51.8212

### Deuteranopia

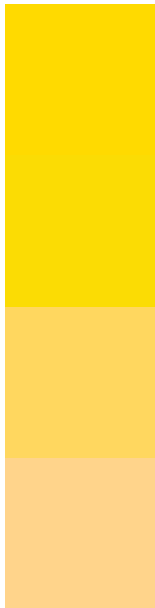
84.5903, 1.3494, 31.9236



## Tritanopia

84.5495, 13.7175, 5.3432

# Trichromacy



## Original Color

84.5002, -7.7977, 51.9321

## Protanomaly

84.6784, -10.3283, 51.9172

## Deuteranomaly

84.0756, -3.5988, 44.1092

## Tritanomaly

83.7920, 1.2980, 34.3714

# Monochromacy



## Original Color

84.5002, -7.7977, 51.9321

## Achromatopsia

77.7063, -4.1462, 4.2219

## Achromatomaly

79.3099, -9.9167, 32.9087

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 84.5002, -7.7977, 51.9321 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(255, 218, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 0)  
}
```

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(255, 218, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 84.5002, -7.7977, 51.9321 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(255, 218, 0) }
```



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

```
.border{ border-color:rgb(255, 218, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 218, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 84.5002, -7.7977, 51.9321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 0) }
```

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

```
.background{ background-color: rgb(255,  
218, 0) }
```

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