

Converting Colors

HunterLab(87.4481, 6.9514,
52.4154)

Have a look what the booklet for
HunterLab(87.4481, 6.9514,
52.4154) contains.

HunterLab(83.6915, -5.7038, 49.7824)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**HunterLab(83.6915, -5.7038,
49.7824)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD72C
RGB	255, 215, 44
RGB Percent	100%, 84%, 17%
CMY	0.0000, 0.1568, 0.8274
CMYK	0.00, 0.16, 0.83, 0.00
HSL	49°, 100%, 59%
HSV	49°, 83%, 100%
XYZ	65.9950, 70.0427, 12.4241
YIQ	207.4660, 78.7310, -44.7010

Conversions

Conversions Part 2

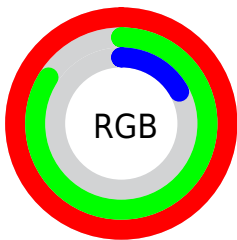
Format	Color
R _Y B	93, 255, 44
Decimal	16766764
CIE Lab	87.02, -1.29, 80.61
CIE LCh	87, 80.621, 90.919
Yxy	70.0461, 0.4445, 0.4718
Android (android.graphics.Color)	4294956844 (0xFFFFD72C)
YUV	207.4660, -80.5887, 41.6873
Hunter-Lab	83.6915, -5.7038, 49.7824

Details

The HunterLab color **83.6915, -5.7038, 49.7824** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light washed yellow. A complement of this color would be **37.5449, 40.1235, -125.5637**, and the grayscale version is **79.5037, -4.2421, 4.3196**.

A 20% lighter version of the original color is **96.8718, -22.7523, 50.7802**, and **60.7940, -3.6449, 37.3972** is the 20% darker color. If you saturate the color by 10%, you get **82.1487, -3.7338, 50.1254**, and if you desaturate by 10%, it is **85.3220, -7.3014, 48.4771**.

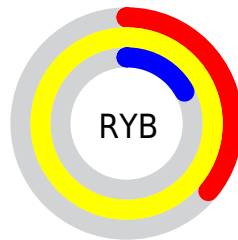
Distribution



Red (100%)

Green (84%)

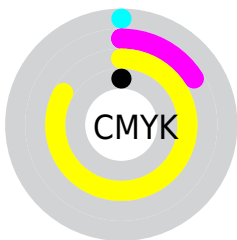
Blue (17%)



Red (36%)

Yellow (100%)

Blue (17%)

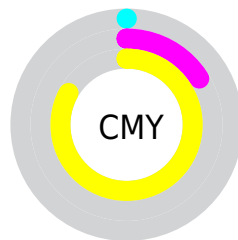


Cyan (0%)

Magenta (16%)

Yellow (83%)

Black (0%)



Cyan (0%)

Magenta (16%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the HunterLab color 83.6915, -5.7038, 49.7824 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 83.6915, -5.7038, 49.7824 by changing the saturation by 10% instead.

83.6915, -5.7038,
49.7824

83.6915, -5.7038,
49.7824

214.6420,
-13.1601, 89.9548

71.8081, -5.0106,
44.5619

109.2128, -7.1858,
59.6502

60.5456, -4.3437,
39.1238

122.7964, -7.9655,
64.3356

49.9426, -3.7078,
33.4592

136.9007, -8.7710,
68.8796

40.0428, -3.1046,
27.9826

151.5071, -9.6014,
73.2974

30.9005, -2.5356,
21.6304

166.5989,
-10.4562, 77.6028

22.5845, -2.0025,
15.8091

182.1610,

15.1869, -1.5073,

-11.3347, 81.8075

10.6308

198.1796,
-12.2361, 85.9218

■ 8.8153, -1.1102,
6.1707

0.0000, NaN, NaN

■ 83.6915, -5.7038,
49.7824

■ 83.6915, -5.7038,
49.7824

■ 82.1487, -3.7338,
50.1254

■ 85.3220, -7.3014,
48.4771

■ 81.0700, -2.1210,
49.9178

■ 87.0404, -8.4741,
46.1096

■ 88.8526, -9.1996,
42.6243

■ 90.7606, -9.4627,
37.9940

■ 92.7654, -9.2568,
32.2125

■ 94.8667, -8.5819,
25.2900

■ 97.0637, -7.4433,
17.2489

■ 99.3550, -5.8503,
8.1210

■ 99.9999, -5.3361,
5.4331

Harmonies

Analogous

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



83.6935, 36.5351, 46.7199



83.6915, -5.7038, 49.7824



83.6935, -40.6178, 46.2851

Triad

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



83.6935, -5.7074, 49.7831



83.6935, -61.0218, -42.7497



83.6935, 74.4119, -39.6721

Complementary

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



83.6915, -5.7038, 49.7824



37.5449, 40.1235, -125.5637

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.



83.6935, 39.0921, -86.3279



83.6915, -5.7038, 49.7824



83.6935, -38.8411, -88.6184

Square

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



83.6935, -5.7074, 49.7831



83.6935, -68.6117, 3.3667



83.6935, -3.2257, -107.4420



83.6935, 87.7476, 5.7275

Rectangle

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



83.6915, -5.7038, 49.7824



83.6935, -56.4424, 38.9306



83.6935, -3.2257, -107.4420



83.6935, 64.4245, -56.3622

Sweetspot

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



83.6935, -5.7074, 49.7831



94.3842, -8.7751, 26.9518



48.7206, 75.3161, 20.5729



43.3234, -4.1770, 13.6127

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136

Same Dimension

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



83.6935, -5.7074, 49.7831



81.2181, -2.3457, 49.9517



91.0323, -45.8186, 53.7391



45.2448, -3.2278, 6.6671



58.7804, -1.8337, 36.1881



18.7295, -1.2187, 11.5197

Inverse Universe

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



37.5449, 40.1235, -125.5637



30.9064, 57.0329, -161.4501



34.8806, 67.1559, -138.1436



42.3494, -1.2709, -2.2770



22.4712, 40.6662, -115.8737



7.9517, 9.6728, -30.8198

Previews

White Background



This preview shows how the HunterLab color 83.6915, -5.7038, 49.7824 looks on a white background.

Color Contrast Check

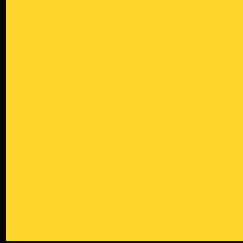
Large Text (above 18pt) WCAG AA × Fail

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 83.6915, -5.7038, 49.7824 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 83.6915, -5.7038, 49.7824 Background



This preview shows how black text looks on a background with the HunterLab color 83.6915, -5.7038, 49.7824.



This preview shows how white text looks on a background with the HunterLab color 83.6915, -5.7038,

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

83.6915, -5.7038, 49.7824

Protanopia

83.8242, -11.5542, 49.6938

Deuteranopia

83.5836, 2.2979, 32.8274



Tritanopia

83.5946, 14.8525, 5.6932

Trichromacy



Original Color

83.6915, -5.7038, 49.7824

Protanomaly

83.9476, -9.5222, 49.8080

Deuteranomaly

83.3245, -1.2383, 41.2274

Tritanomaly

83.1630, 4.2616, 29.8335

Monochromacy



Original Color

83.6915, -5.7038, 49.7824

Achromatopsia

78.9912, -4.2148, 4.2917

Achromatomaly

80.0491, -8.2278, 28.4305

CSS Examples

Text

The CSS property to change the color of the text to HunterLab 83.6915, -5.7038, 49.7824 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, 215, 44)` looks like.

```
.text, #text, p{  
    color:rgb(255, 215, 44)  
}
```

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, 215, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 215, 44) }
```

Border

The CSS property to change the border of an element to HunterLab 83.6915, -5.7038, 49.7824 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, 215, 44) }
```


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

```
.border{ border-color:rgb(255, 215, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 215, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 215, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 215, 44);  
box-shadow:4px 4px 4px 4px rgb(255, 215,  
44) }
```

Background

The CSS property to change the background color of an element to HunterLab 83.6915, -5.7038, 49.7824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 215, 44) }
```

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

```
.background{ background-color: rgb(255,  
215, 44) }
```

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