

# Converting Colors

HunterLab(60.0606, -21.0290,  
16.6508)

Have a look what the booklet for  
HunterLab(60.0606, -21.0290,  
16.6508) contains.

<b>HunterLab(60.0417, -20.8746, 16.4656)</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(60.0417,  
-20.8746, 16.4656)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85AC80
RGB	133, 172, 128
RGB Percent	52%, 67%, 50%
CMY	0.4784, 0.3255, 0.4980
CMYK	0.23, 0.00, 0.26, 0.33
HSL	113°, 21%, 59%
HSV	113°, 26%, 67%
XYZ	28.3216, 36.0501, 25.8877
YIQ	155.3230, -9.1200, -21.9520

# Conversions

## Conversions Part 2

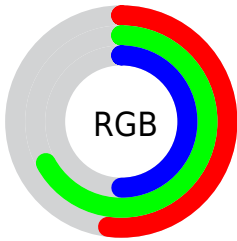
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 172, 167
Decimal	8760448
CIELab	66.56, -21.89, 18.44
CIElCh	67, 28.626, 139.892
Yxy	36.0516, 0.3138, 0.3994
Android (android.graphics.Color)	4286950528 (0xFF85AC80)
YUV	155.3230, -13.4702, -19.5773
Hunter-Lab	60.0417, -20.8746, 16.4656

# Details

The HunterLab color  $60.0417, -20.8746, 16.4656$  is a dark color, and the websafe version is hex  $669966$ . A complement of this color would be  $51.6075, 17.2670, -12.7393$ , and the grayscale version is  $57.4400, -3.0649, 3.1208$ .

A 20% lighter version of the original color is  $83.2993, -24.5356, 19.7833$ , and  $39.7383, -17.4026, 13.1452$  is the 20% darker color. If you saturate the color by 10%, you get  $58.7232, -26.6232, 20.5927$ , and if you desaturate by 10%, it is  $61.5434, -14.4909, 11.7832$ .

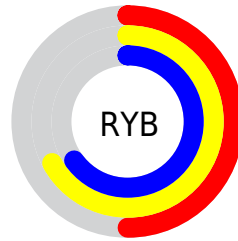
# Distribution



Red (52%)

Green (67%)

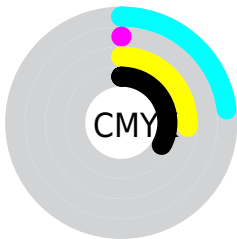
Blue (50%)



Red (50%)

Yellow (67%)

Blue (65%)

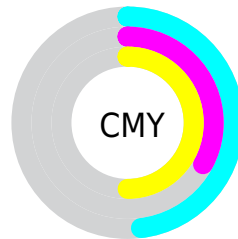


Cyan (23%)

Magenta (0%)

Yellow (26%)

Black (33%)



Cyan (48%)

Magenta (33%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 60.0417, -20.8746, 16.4656 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 60.0417, -20.8746, 16.4656 by changing the saturation by 10% instead.



■ 60.0417, -20.8746,  
16.4656

■ 60.0417, -20.8746,  
16.4656

181.4348,  
-36.0808, 30.3344

■ 49.4713, -19.0637,  
14.8368

■ 83.1334, -24.3754,  
19.6263

■ 39.6051, -17.1893,  
13.1557

■ 95.5840, -26.0832,  
21.1753

■ 30.4991, -15.2277,  
11.4004

■ 108.6007,  
-27.7724, 22.7119

■ 22.2231, -13.1394,  
9.5357

122.1598,  
-29.4480, 24.2405

■ 14.8705, -10.8555,  
7.5915

136.2406,  
-31.1137, 25.7647

■ 8.5215, -11.6506,  
5.9650

150.8242,

0.0000, NaN, NaN

-32.7728, 27.2870

0.0000, NaN, NaN

165.8941,  
-34.4278, 28.8097

0.0000, NaN, NaN

■ 60.0417, -20.8746,  
16.4656

■ 60.0417, -20.8746,  
16.4656

■ 58.7232, -26.6232,  
20.5927

■ 61.5434, -14.4909,  
11.7832

■ 57.5865, -31.6749,  
24.1235

■ 63.2203, -7.5340,  
6.5907

■ 56.6328, -35.9854,  
27.0319

■ 65.0678, -0.0737,  
0.9406

■ 55.8593, -39.5264,  
29.3075

■ 67.0791, 7.8217,  
-5.1143

■ 55.2600, -42.2914,  
30.9604

■ 69.2465, 16.0871,  
-11.5220

■ 54.8252, -44.3005,  
32.0251

■ 71.5620, 24.6628,  
-18.2337

■ 54.5402, -45.6071,  
32.5718

■ 74.0174, 33.4950,  
-25.2048

■ 54.4522, -46.0133,  
32.7476

■ 76.1451, 40.2930,  
-26.0402

■ 76.1488, 40.3038,  
-26.0341

# Harmonies

## Analogous

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



60.0430, -11.3444, 21.3620



60.0417, -20.8746, 16.4656



60.0430, -25.5425, 7.2294

# Triad

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



60.0430, -20.8758, 16.4663



60.0430, -7.4608, -24.6127



60.0430, 21.7021, 10.6930

# Complementary

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



60.0417, -20.8746, 16.4656



51.6075, 17.2670, -12.7393

# 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.



60.0430, 22.9617, -0.9825



60.0417, -20.8746, 16.4656



60.0430, 5.3884, -23.1422

# Square

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



60.0430, -20.8758, 16.4663



60.0430, -18.2376, -17.5095



60.0430, 16.7754, -13.8333



60.0430, 13.4651, 18.5441



# Rectangle

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



60.0417, -20.8746, 16.4656



60.0430, -25.5562, -0.8894



60.0430, 16.7754, -13.8333



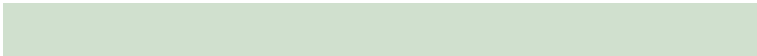
60.0430, 22.9805, 7.1485

# Sweetspot

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



60.0430, -20.8758, 16.4663



84.5490, -12.6155, 10.7297



61.5788, -7.1616, 18.1557



39.2574, -6.5320, 5.4890



93.2148, -4.9737, 5.0645



40.3295, -2.1519, 2.1912



# Same Dimension

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



60.0430, -20.8758, 16.4663



79.7789, -32.8496, 25.5917



60.1133, -19.8095, 10.3257



29.9688, -4.8801, 4.1104



46.9858, -39.6337, 28.2586



7.9223, -6.2476, 4.7723



# Inverse Universe

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



51.6075, 17.2670, -12.7393



65.9290, 29.9301, -22.5265



51.5567, 15.9314, -3.6828



28.4626, 1.9052, -1.0773



26.8927, 54.2964, -46.5125



4.6260, 9.2551, -7.3430



# Previews

## White Background



This preview shows how the HunterLab color 60.0417, -20.8746, 16.4656 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 60.0417, -20.8746, 16.4656 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 60.0417, -20.8746, 16.4656 Background



This preview shows how black text looks on a background with the HunterLab color 60.0417, -20.8746, 16.4656.



This preview shows how white text looks on a background with the HunterLab color 60.0417,

-20.8746, 16.4656.

# 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

60.0417, -20.8746, 16.4656

### Protanopia

59.8365, -4.6191, 18.2223

### Deuteranopia

59.7272, 4.2013, 15.2072



## Tritanopia

59.9297, -7.3400, -5.3927

# Trichromacy



## Original Color

60.0417, -20.8746, 16.4656

## Protanomaly

59.7160, -11.0702, 17.3393

## Deuteranomaly

59.4508, -5.6235, 15.1202

## Tritanomaly

60.0269, -12.8775, 3.9134

# Monochromacy



## Original Color

60.0417, -20.8746, 16.4656

## Achromatopsia

57.2519, -3.0548, 3.1106

## Achromatomaly

58.0837, -9.7950, 8.2750

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 60.0417, -20.8746, 16.4656 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(133, 172, 128)` looks like.

```
.text, #text, p{  
    color:rgb(133, 172, 128)  
}
```

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(133, 172, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 172, 128) }
```

## Border

The CSS property to change the border of an element to HunterLab 60.0417, -20.8746, 16.4656 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(133, 172, 128) }
```



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

```
.border{ border-color:rgb(133, 172, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 172, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 172, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 172, 128);  
box-shadow:4px 4px 4px 4px rgb(133, 172,  
128) }
```

# Background

The CSS property to change the background color of an element to HunterLab 60.0417, -20.8746, 16.4656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 172, 128) }
```

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

```
.background{ background-color: rgb(133,  
172, 128) }
```

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