

# Converting Colors

HunterLab(35.9646, -16.3840,  
20.4498)

Have a look what the booklet for  
HunterLab(35.9646, -16.3840,  
20.4498) contains.

<b>HunterLab(35.9646, -16.3840, 20.4498)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**HunterLab(35.9646,  
-16.3840, 20.4498)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	556D18
RGB	85, 109, 24
RGB Percent	33%, 43%, 9%
CMY	0.6667, 0.5725, 0.9059
CMYK	0.22, 0.00, 0.78, 0.57
HSL	77°, 64%, 26%
HSV	77°, 78%, 43%
XYZ	9.3798, 12.9345, 2.8664
YIQ	92.1340, 12.9810, -31.5230

# Conversions

## Conversions Part 2

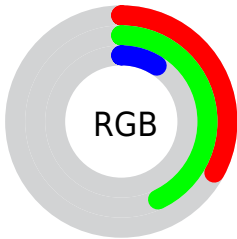
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 109, 48
Decimal	5598488
CIE <sub>Lab</sub>	42.67, -21.81, 41.65
CIE <sub>LCh</sub>	43, 47.013, 117.636
Yxy	12.9351, 0.3725, 0.5137
Android (android.graphics.Color)	4283788568 (0xFF556D18)
YUV	92.1340, -33.5901, -6.2565
Hunter-Lab	35.9646, -16.3840, 20.4498

# Details

The HunterLab color  $[35.9646, -16.3840, 20.4498]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[15.4470, 22.7305, -45.6189]$ , and the grayscale version is  $[32.8818, -1.7545, 1.7865]$ .

A 20% lighter version of the original color is  $[55.9487, -20.3910, 27.2528]$ , and  $[19.2680, -11.5195, 11.6712]$  is the 20% darker color. If you saturate the color by 10%, you get  $[35.7177, -17.4527, 21.0657]$ , and if you desaturate by 10%, it is  $[36.2452, -15.1526, 19.4800]$ .

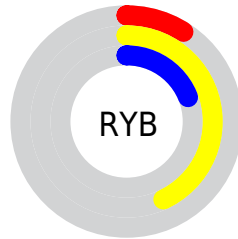
# Distribution



Red (33%)

Green (43%)

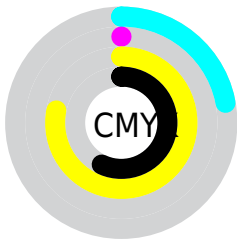
Blue (9%)



Red (9%)

Yellow (43%)

Blue (19%)

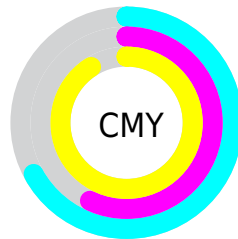


Cyan (22%)

Magenta (0%)

Yellow (78%)

Black (57%)



Cyan (67%)

Magenta (57%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 35.9646, -16.3840, 20.4498 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 35.9646, -16.3840, 20.4498 by changing the saturation by 10% instead.



■ 35.9646, -16.3840,  
20.4498

■ 35.9646, -16.3840,  
20.4498

145.0866,  
-32.0338, 46.5382

■ 27.1733, -14.3864,  
16.7806

■ 55.8455, -20.1125,  
27.0974

■ 19.2440, -12.2400,  
13.4708

■ 66.8257, -21.8902,  
30.1637

■ 12.2842, -9.8678,  
8.5990

■ 78.4440, -23.6304,  
33.1020

■ 5.4320, -9.5060,  
3.8024

■ 90.6670, -25.3428,  
35.9358

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 103.4662,  
-27.0344, 38.6832

0.0000, NaN, NaN

■ 116.8168,

0.0000, NaN, NaN

-28.7107, 41.3587

0.0000, NaN, NaN

130.6967,  
-30.3761, 43.9739

35.9646, -16.3840,  
20.4498

35.9646, -16.3840,  
20.4498

35.7177, -17.4527,  
21.0657

36.2452, -15.1526,  
19.4800

35.4940, -18.4001,  
21.4435

36.5591, -13.7472,  
18.1278

35.4499, -18.5879,  
21.5186

36.9085, -12.1636,  
16.3738

37.2947, -10.3998,  
14.2050

37.7185, -8.4560,  
11.6144

■ 38.1802, -6.3345,  
8.6001

■ 38.6803, -4.0392,  
5.1645

■ 39.2187, -1.5756,  
1.3136

■ 39.7953, 1.0499,  
-2.9431

# Harmonies

## Analogous

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



35.9654, -0.5062, 21.6084



35.9646, -16.3840, 20.4498



35.9654, -26.3895, 15.3337

# Triad

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



35.9654, -16.3850, 20.4500



35.9654, -18.3860, -37.5289



35.9654, 38.7911, 0.5963

# Complementary

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



35.9646, -16.3840, 20.4498



15.4470, 22.7305, -45.6189

# 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.



35.9654, 31.5762, -20.0421



35.9646, -16.3840, 20.4498



35.9654, -3.3142, -47.7371

# Square

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



35.9654, -16.3850, 20.4500



35.9654, -27.3781, -16.5296



35.9654, 15.2658, -40.1548



35.9654, 33.4683, 13.9698



# Rectangle

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



35.9646, -16.3840, 20.4498



35.9654, -29.4930, 8.2230



35.9654, 15.2658, -40.1548



35.9654, 37.7257, -5.6875

# Sweetspot

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



35.9654, -16.3850, 20.4500



50.7338, -10.1115, 13.8598



23.0739, 17.4494, 12.3026



24.3924, -5.2515, 7.2106



75.5302, -4.0301, 4.1037



25.2436, -1.3469, 1.3715



# Same Dimension

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



35.9654, -16.3850, 20.4500



47.5401, -24.4234, 28.5595



33.9642, -24.4065, 18.9925



18.8221, -2.0796, 2.6867



38.3217, -20.1660, 23.2606



86.2413, -46.5599, 52.3264



# Inverse Universe

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



15.4470, 22.7305, -45.6189



16.5982, 37.4563, -81.6589



19.7226, 30.8597, -30.8027



17.5006, 0.1899, -0.8498



12.7154, 31.9316, -70.5118



28.0184, 71.4675, -163.9484



# Previews

## White Background



This preview shows how the HunterLab color 35.9646, -16.3840, 20.4498 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 35.9646, -16.3840, 20.4498 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

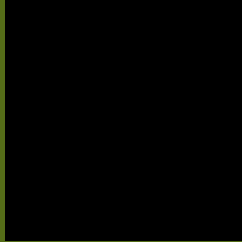
Any Text WCAG AA × Fail

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 35.9646, -16.3840, 20.4498 Background



This preview shows how black text looks on a background with the HunterLab color 35.9646, -16.3840, 20.4498.



This preview shows how white text looks on a background with the HunterLab color 35.9646, -16.3840, 20.4498.

-16.3840, 20.4498.

# 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

35.9646, -16.3840, 20.4498

### Protanopia

35.8831, -5.0490, 20.7684

### Deuteranopia

35.6564, 2.3341, 19.9697



## Tritanopia

36.0669, -2.8270, -2.0756

# Trichromacy



## Original Color

35.9646, -16.3840, 20.4498

## Protanomaly

35.8414, -9.4410, 20.5791

## Deuteranomaly

35.4650, -5.0772, 19.9279

## Tritanomaly

35.9052, -9.2557, 9.7477

# Monochromacy



## Original Color

35.9646, -16.3840, 20.4498

## Achromatopsia

32.7144, -1.7456, 1.7774

## Achromatomaly

33.5626, -8.2061, 11.1567

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 35.9646, -16.3840, 20.4498 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(85, 109, 24)` looks like.

```
.text, #text, p{  
    color:rgb(85, 109, 24)  
}
```

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(85, 109, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 109, 24) }
```

## Border

The CSS property to change the border of an element to HunterLab 35.9646, -16.3840, 20.4498 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(85, 109, 24) }
```



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

```
.border{ border-color:rgb(85, 109, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 109, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 109, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 109, 24);  
box-shadow:4px 4px 4px 4px rgb(85, 109,  
24) }
```

# Background

The CSS property to change the background color of an element to HunterLab 35.9646, -16.3840, 20.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 109, 24) }
```

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

```
.background{ background-color: rgb(85, 109,  
24) }
```

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