

# Converting Colors

HunterLab(36.7501, -2.0139,  
1.7178)

Have a look what the booklet for  
HunterLab(36.7501, -2.0139, 1.7178)  
contains.

<b>HunterLab(36.7485, -2.2433, 1.9019)</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> .....	23
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

HunterLab(36.7485, -2.2433,  
1.9019)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	666767
RGB	102, 103, 103
RGB Percent	40%, 40%, 40%
CMY	0.6000, 0.5961, 0.5961
CMYK	0.01, 0.00, 0.00, 0.60
HSL	180°, 0%, 40%
HSV	180°, 1%, 40%
XYZ	12.7779, 13.5045, 14.7651
YIQ	102.7010, -0.5960, -0.2120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 103, 103
Decimal	6711143
CIE <sub>Lab</sub>	43.51, -0.39, -0.14
CIE <sub>LCh</sub>	44, 0.411, 200.036
Yxy	13.5051, 0.3113, 0.3290
Android (android.graphics.Color)	4284901223 (0xFF666767)
YUV	102.7010, 0.1474, -0.6148
Hunter-Lab	36.7485, -2.2433, 1.9019

# Details

The HunterLab color  $36.7485, -2.2433, 1.9019$  is a dark color, and the websafe version is hex  $666666$ . A complement of this color would be  $36.5321, -1.6643, 2.0796$ , and the grayscale version is  $36.7158, -1.9591, 1.9948$ .

A 20% lighter version of the original color is  $56.7597, -3.3326, 2.9820$ , and  $19.8144, -1.3115, 0.9913$  is the 20% darker color. If you saturate the color by 10%, you get  $35.9720, -4.9847, 0.9360$ , and if you desaturate by 10%, it is  $37.6101, 0.7226, 2.9512$ .

# Distribution



Red (40%)

Green (40%)

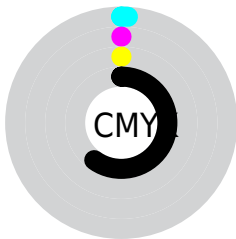
Blue (40%)



Red (40%)

Yellow (40%)

Blue (40%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (60%)



Cyan (60%)

Magenta (60%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.7485, -2.2433, 1.9019 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 36.7485, -2.2433, 1.9019 by changing the saturation by 10% instead.



■ 36.7485, -2.2433,  
1.9019

■ 36.7485, -2.2433,  
1.9019

■ 146.3318, -8.2620,  
7.8102

■ 27.8878, -1.7460,  
1.4287

■ 56.7523, -3.3565,  
2.9761

■ 19.8816, -1.2910,  
1.0024

■ 67.7882, -3.9658,  
3.5699

■ 12.8342, -0.8833,  
0.6296

■ 79.4591, -4.6080,  
4.1987

■ 6.2377, -0.6031,  
0.2459

■ 91.7321, -5.2814,  
4.8605

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 104.5791, -5.9847,  
5.5539

0.0000, NaN, NaN

■ 117.9754, -6.7165,

0.0000, NaN, NaN

131.8994, -7.4760,  
7.0299

■ 36.7485, -2.2433,  
1.9019

■ 36.7485, -2.2433,  
1.9019

■ 35.9720, -4.9847,  
0.9360

■ 37.6101, 0.7226,  
2.9512

■ 35.2798, -7.4777,  
0.0590

■ 38.5520, 3.8929,  
4.0743

■ 34.6736, -9.7039,  
-0.7222

■ 39.5726, 7.2437,  
5.2640

■ 34.1535, -11.6477,  
-1.4022

■ 40.6686, 10.7529,  
6.5126

■ 33.7185, -13.2985,  
-1.9778

■ 41.8370, 14.3993,  
7.8128

■ 33.3665, -14.6518,  
-2.4475

■ 43.0743, 18.1634,  
9.1579

■ 33.0942, -15.7100,  
-2.8125

■ 44.3771, 22.0277,  
10.5417

■ 32.8967, -16.4837,  
-3.0768

■ 45.7420, 25.9764,  
11.9586

■ 32.7674, -16.9936,  
-3.2479

■ 47.1658, 29.9959,  
13.4039

# Harmonies

## Analogous

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



36.7493, -2.2577, 2.0497



36.7485, -2.2433, 1.9019



36.7493, -2.1553, 1.7810

# Triad

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



36.7493, -2.2441, 1.9025



36.7493, -1.7327, 1.8166



36.7493, -1.9109, 2.2802

# Complementary

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



36.7485, -2.2433, 1.9019



36.5321, -1.6643, 2.0796

# 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.



36.7493, -1.7700, 2.2184



36.7485, -2.2433, 1.9019



36.7493, -1.6670, 1.9510

# Square

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



36.7493, -2.2441, 1.9025



36.7493, -1.8600, 1.7313



36.7493, -1.6806, 2.0980



36.7493, -2.0655, 2.2674



# Rectangle

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



36.7485, -2.2433, 1.9019



36.7493, -2.0652, 1.7312



36.7493, -1.6806, 2.0980



36.7493, -1.8604, 2.2675

# Sweetspot

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



36.7493, -2.2441, 1.9025



49.2815, -2.6295, 2.6776



36.7234, -2.3887, 2.2919



24.3420, -1.2988, 1.3225



74.4461, -3.9723, 4.0448

# Same Dimension

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



36.7493, -2.2441, 1.9025



49.1681, -3.0245, 2.5381



36.6184, -2.0269, 1.7509



18.1585, -1.0971, 0.9440



36.6496, -19.4707, -3.7772



83.6980, -44.4715, -8.6139



# Inverse Universe

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



36.5321, -1.6643, 2.0796



48.8606, -2.2035, 2.7889



36.6625, -1.8819, 2.2294



18.0601, -0.8347, 1.0241



19.0482, 32.6230, 12.2906



43.4999, 74.4971, 28.0920



# Previews

## White Background



This preview shows how the HunterLab color 36.7485, -2.2433, 1.9019 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 36.7485, -2.2433, 1.9019 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

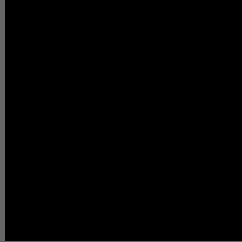
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

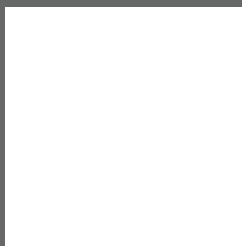
If you want to check with other color combinations, try the [Color Contrast Checker](#).



# HunterLab 36.7485, -2.2433, 1.9019 Background



This preview shows how black text looks on a background with the HunterLab color 36.7485, -2.2433, 1.9019.



This preview shows how white text looks on a background with the HunterLab color 36.7485, -2.2433,



# 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

36.7485, -2.2433, 1.9019

### Protanopia

36.7223, -0.9508, 1.8936

### Deuteranopia

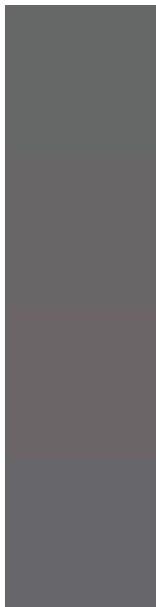
36.8220, 2.1584, 1.6392



## Tritanopia

36.7588, -0.4263, -1.1508

# Trichromacy



## Original Color

36.7485, -2.2433, 1.9019

## Protanomaly

36.6402, -1.2343, 1.7917

## Deuteranomaly

36.7355, 0.5167, 1.5076

## Tritanomaly

36.6713, -0.9026, 0.0914

# Monochromacy



## Original Color

36.7485, -2.2433, 1.9019

## Achromatopsia

36.8284, -1.9651, 2.0010

## Achromatomaly

36.8284, -1.9651, 2.0010

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.7485, -2.2433, 1.9019 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(102, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(102, 103, 103)  
}
```

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(102, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 103, 103) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.7485, -2.2433, 1.9019 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(102, 103, 103) }
```

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

```
.border{ border-color:rgb(102, 103, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(102, 103,  
103) }
```



# Background

The CSS property to change the background color of an element to HunterLab 36.7485, -2.2433, 1.9019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 103, 103) }
```

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

```
.background{ background-color: rgb(102,  
103, 103) }
```

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