

# Converting Colors

HunterLab(36.2968, -2.6660,  
21.7518)

Have a look what the booklet for  
HunterLab(36.2968, -2.6660,  
21.7518) contains.

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# Color

**HunterLab(36.2408, -2.4980,  
21.7186)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78640C
RGB	120, 100, 12
RGB Percent	47%, 39%, 5%
CMY	0.5294, 0.6078, 0.9529
CMYK	0.00, 0.17, 0.90, 0.53
HSL	49°, 82%, 26%
HSV	49°, 90%, 47%
XYZ	12.3693, 13.1340, 2.2310
YIQ	95.9480, 40.1680, -23.1280

# Conversions

## Conversions Part 2

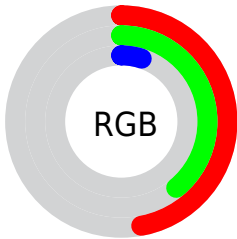
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 120, 12
Decimal	7889932
CIE <sub>Lab</sub>	42.97, -0.78, 46.93
CIE <sub>LCh</sub>	43, 46.941, 90.951
Yxy	13.1346, 0.4460, 0.4736
Android (android.graphics.Color)	4286080012 (0xFF78640C)
YUV	95.9480, -41.3864, 21.0936
Hunter-Lab	36.2408, -2.4980, 21.7186

# Details

The HunterLab color  $[36.2408, -2.4980, 21.7186]$  is a dark color, and the websafe version is hex  $666600$ . A complement of this color would be  $[15.7078, 18.6298, -57.0653]$ , and the grayscale version is  $[34.3213, -1.8313, 1.8647]$ .

A 20% lighter version of the original color is  $[56.0679, -3.2649, 29.0412]$ , and  $[19.5745, -1.1179, 12.0422]$  is the 20% darker color. If you saturate the color by 10%, you get  $[35.6196, -1.7331, 21.9180]$ , and if you desaturate by 10%, it is  $[36.8864, -3.1705, 21.2843]$ .

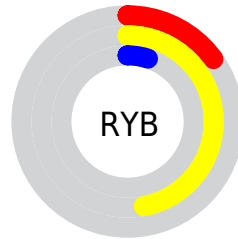
# Distribution



Red (47%)

Green (39%)

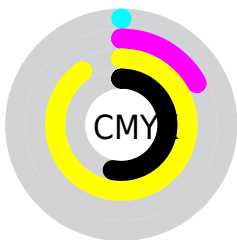
Blue (5%)



Red (15%)

Yellow (47%)

Blue (5%)

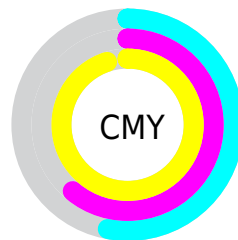


Cyan (0%)

Magenta (17%)

Yellow (90%)

Black (53%)



Cyan (53%)

Magenta (61%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 36.2408, -2.4980, 21.7186 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 36.2408, -2.4980, 21.7186 by changing the saturation by 10% instead.



36.2408, -2.4980,  
21.7186

36.2408, -2.4980,  
21.7186

145.5261, -8.6706,  
50.5862

27.4250, -1.9783,  
17.7007

56.1653, -3.6529,  
29.1141

19.4684, -1.4975,  
13.6279

67.1652, -4.2807,  
32.5213

12.4776, -1.0604,  
8.7343

78.8021, -4.9403,  
35.7803

5.7296, -0.8987,  
4.0107

91.0428, -5.6303,  
38.9167

0.0000, NaN, NaN

0.0000, NaN, NaN

103.8589, -6.3493,  
41.9508

0.0000, NaN, NaN

117.2256, -7.0964,

0.0000, NaN, NaN

131.1212, -7.8704,  
47.7737

36.2408, -2.4980,  
21.7186

36.2408, -2.4980,  
21.7186

35.6196, -1.7331,  
21.9180

36.8864, -3.1705,  
21.2843

35.6193, -1.7328,  
21.9181

37.5651, -3.6827,  
20.4479

38.2792, -4.0250,  
19.1850

39.0300, -4.1904,  
17.4816

39.8177, -4.1752,  
15.3320

■ 40.6427, -3.9781,  
12.7369

■ 41.5048, -3.6000,  
9.7019

■ 42.4036, -3.0434,  
6.2364

■ 43.3385, -2.3120,  
2.3528

# Harmonies

## Analogous

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



36.2417, 16.1338, 20.4069



36.2408, -2.4980, 21.7186



36.2417, -17.8455, 20.2131

# Triad

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



36.2417, -2.4996, 21.7189



36.2417, -26.7692, -18.9662



36.2417, 32.9140, -17.5544

# Complementary

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



36.2408, -2.4980, 21.7186



15.7078, 18.6298, -57.0653

# 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.



36.2417, 17.3027, -38.2784



36.2408, -2.4980, 21.7186



36.2417, -17.0384, -39.3326

# Square

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



36.2417, -2.4996, 21.7189



36.2417, -30.0959, 1.4306



36.2417, -1.3684, -47.6919



36.2417, 38.8049, 2.5066



# Rectangle

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



36.2408, -2.4980, 21.7186



36.2417, -24.7798, 17.0263



36.2417, -1.3684, -47.6919



36.2417, 28.4980, -24.9580

# Sweetspot

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



36.2417, -2.4996, 21.7189



54.1633, -5.1802, 16.0043



20.9029, 33.1041, 9.2517



26.2203, -2.5750, 8.2883



78.7982, -4.2045, 4.2813



27.9800, -1.4929, 1.5202



# Same Dimension

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



36.2417, -2.4996, 21.7189



47.0499, -1.9827, 28.9572



39.3887, -20.1247, 23.3950



21.2457, -1.4922, 2.9505



37.1786, -1.7677, 22.8784



80.4867, -2.6658, 49.5488



# Inverse Universe

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



15.7078, 18.6298, -57.0653



18.0392, 31.7329, -91.0495



14.7091, 29.8121, -62.0388



20.0066, -0.6422, -0.8508



14.4830, 24.0471, -70.0133

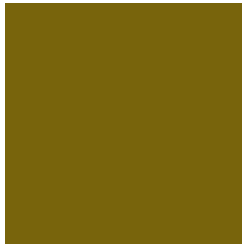


30.1155, 57.8304, -162.4810



# Previews

## White Background



This preview shows how the HunterLab color 36.2408, -2.4980, 21.7186 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 36.2408, -2.4980, 21.7186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

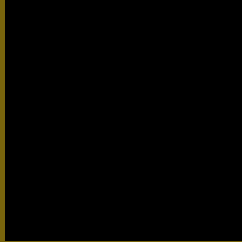
Any Text WCAG AA × Fail

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 36.2408, -2.4980, 21.7186 Background



This preview shows how black text looks on a background with the HunterLab color 36.2408, -2.4980, 21.7186.



This preview shows how white text looks on a background with the HunterLab color 36.2408, -2.4980,



# 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

36.2408, -2.4980, 21.7186

### Protanopia

36.2996, -5.0355, 21.6576

### Deuteranopia

36.0408, 2.1616, 21.5026



## Tritanopia

36.2060, 8.9743, 2.7236

# Trichromacy



## Original Color

36.2408, -2.4980, 21.7186

## Protanomaly

36.2192, -3.9361, 21.6259

## Deuteranomaly

35.9737, 0.6157, 21.4929

## Tritanomaly

36.0473, 3.2453, 13.2739

# Monochromacy



## Original Color

36.2408, -2.4980, 21.7186

## Achromatopsia

34.2010, -1.8249, 1.8582

## Achromatomaly

34.5461, -3.3367, 12.6456

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 36.2408, -2.4980, 21.7186 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(120, 100, 12)` looks like.

```
.text, #text, p{  
    color:rgb(120, 100, 12)  
}
```

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(120, 100, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 100, 12) }
```

## Border

The CSS property to change the border of an element to HunterLab 36.2408, -2.4980, 21.7186 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(120, 100, 12) }
```



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

```
.border{ border-color:rgb(120, 100, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 100, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 100, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 100, 12);  
box-shadow:4px 4px 4px 4px rgb(120, 100,  
12) }
```

# Background

The CSS property to change the background color of an element to HunterLab 36.2408, -2.4980, 21.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 100, 12) }
```

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

```
.background{ background-color: rgb(120,  
100, 12) }
```

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](#).

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