

# Converting Colors

HunterLab(48.9705, -12.0518,  
10.4178)

Have a look what the booklet for  
HunterLab(48.9705, -12.0518,  
10.4178) contains.

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# Color

**HunterLab(48.9766,  
-12.0213, 10.3335)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	788C73
RGB	120, 140, 115
RGB Percent	47%, 55%, 45%
CMY	0.5294, 0.4510, 0.5490
CMYK	0.14, 0.00, 0.18, 0.45
HSL	108°, 10%, 50%
HSV	108°, 18%, 55%
XYZ	20.2183, 23.9871, 19.7840
YIQ	131.1700, -3.8950, -12.0150

# Conversions

## Conversions Part 2

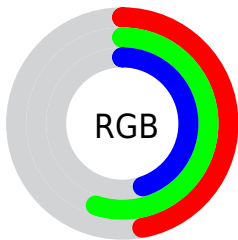
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 140, 135
Decimal	7900275
CIE <sub>Lab</sub>	56.08, -12.20, 10.99
CIE <sub>LCh</sub>	56, 16.416, 137.978
Yxy	23.9881, 0.3160, 0.3749
Android (android.graphics.Color)	4286090355 (0xFF788C73)
YUV	131.1700, -7.9718, -9.7961
Hunter-Lab	48.9766, -12.0213, 10.3335

# Details

The HunterLab color  $48.9766, -12.0213, 10.3335$  is a dark color, and the websafe version is hex  $999966$ . A complement of this color would be  $43.9392, 7.8368, -6.2684$ , and the grayscale version is  $47.7404, -2.5473, 2.5938$ .

A 20% lighter version of the original color is  $70.8126, -14.8243, 12.7646$ , and  $30.0951, -9.5597, 7.9156$  is the 20% darker color. If you saturate the color by 10%, you get  $47.8908, -16.6827, 13.9753$ , and if you desaturate by 10%, it is  $50.1832, -6.9621, 6.2623$ .

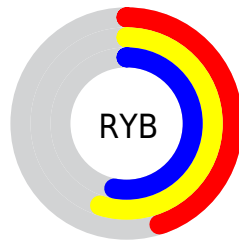
# Distribution



Red (47%)

Green (55%)

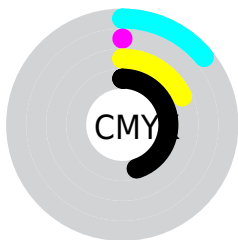
Blue (45%)



Red (45%)

Yellow (55%)

Blue (53%)

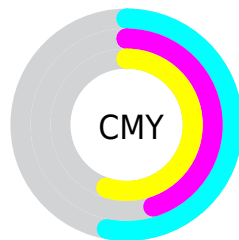


Cyan (14%)

Magenta (0%)

Yellow (18%)

Black (45%)



Cyan (53%)

Magenta (45%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 48.9766, -12.0213, 10.3335 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 48.9766, -12.0213, 10.3335 by changing the saturation by 10% instead.



■ 48.9766, -12.0213,  
10.3335

■ 48.9766, -12.0213,  
10.3335

165.1546,  
-23.2404, 21.0800

■ 39.1469, -10.7646,  
9.1434

■ 70.7183, -14.5009,  
12.6889

■ 30.0793, -9.4806,  
7.9301

■ 82.5463, -15.7344,  
13.8651

■ 21.8455, -8.1519,  
6.6762

■ 94.9689, -16.9693,  
15.0456

■ 14.5406, -6.7457,  
5.3489

107.9587,  
-18.2085, 16.2328

■ 8.2014, -6.9175,  
5.7410

121.4922,  
-19.4538, 17.4287

0.0000, NaN, NaN

135.5481,

0.0000, NaN, NaN

-20.7068, 18.6346

0.0000, NaN, NaN

150.1079,  
-21.9687, 19.8514

0.0000, NaN, NaN

■ 48.9766, -12.0213,  
10.3335

■ 48.9766, -12.0213,  
10.3335

■ 47.8908, -16.6827,  
13.9753

■ 50.1832, -6.9621,  
6.2623

■ 46.9252, -20.9033,  
17.1562

■ 51.5042, -1.5441,  
1.7937

■ 46.0821, -24.6491,  
19.8540

■ 52.9365, 4.1892,  
-3.0354

■ 45.3616, -27.8922,  
22.0552

■ 54.4755, 10.1966,  
-8.1885

■ 44.7621, -30.6149,  
23.7579

■ 56.1166, 16.4393,  
-13.6297

■ 44.2803, -32.8118,  
24.9752

■ 57.8546, 22.8818,  
-19.3251

■ 43.9105, -34.4930,  
25.7376

■ 59.6846, 29.4922,  
-25.2434

■ 43.6414, -35.7081,  
26.1495

■ 61.6015, 36.2424,  
-31.3558

■ 43.5935, -35.9264,  
26.2332

■ 63.6005, 43.1079,  
-37.6370

# Harmonies

## Analogous

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



48.9777, -6.6157, 13.1497



48.9766, -12.0213, 10.3335



48.9777, -14.8449, 5.2047

# Triad

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



48.9777, -12.0224, 10.3341



48.9777, -5.3294, -11.2412



48.9777, 10.5534, 6.3780

# Complementary

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



48.9766, -12.0213, 10.3335



43.9392, 7.8368, -6.2684

# 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.



48.9777, 10.9447, -0.0164



48.9766, -12.0213, 10.3335



48.9777, 1.5164, -10.8129

# Square

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



48.9777, -12.0224, 10.3341



48.9777, -11.1254, -7.5861



48.9777, 7.5587, -6.4856



48.9777, 6.5173, 11.0910



# Rectangle

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



48.9766, -12.0213, 10.3335



48.9777, -14.9900, 0.8947



48.9777, 7.5587, -6.4856



48.9777, 11.1233, 4.3735

# Sweetspot

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



48.9777, -12.0224, 10.3341



67.0993, -7.3087, 6.7321



49.1349, -3.9751, 10.6347



32.1582, -3.7194, 3.4046



84.2951, -4.4978, 4.5799



32.6403, -1.7416, 1.7734



# Same Dimension

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



48.9777, -12.0224, 10.3341



64.4952, -18.2448, 15.5222



48.8054, -12.2874, 7.2922



23.7766, -3.6275, 3.2356



41.1001, -33.8273, 24.7335



3.4248, -2.4429, 2.0676



# Inverse Universe

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



43.9392, 7.8368, -6.2684



56.5043, 13.2802, -10.8494



44.1783, 8.1272, -2.1748



22.5374, 1.2500, -0.8382



21.7986, 45.0486, -45.7411

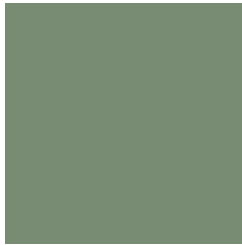


1.9366, 3.8936, -3.2221



# Previews

## White Background



This preview shows how the HunterLab color 48.9766, -12.0213, 10.3335 looks on a white 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



# Black Background



This preview shows how the HunterLab color 48.9766, -12.0213, 10.3335 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

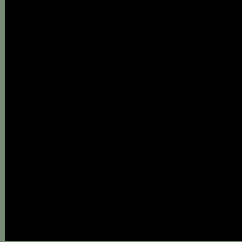
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

## HunterLab 48.9766, -12.0213, 10.3335 Background



This preview shows how black text looks on a background with the HunterLab color 48.9766, -12.0213, 10.3335.



This preview shows how white text looks on a background with the HunterLab color 48.9766,

-12.0213, 10.3335.

# 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

48.9766, -12.0213, 10.3335

### Protanopia

48.9600, -3.2658, 11.5482

### Deuteranopia

48.7413, 3.3204, 9.6204



## Tritanopia

49.0343, -4.0854, -2.7387

# Trichromacy



## Original Color

48.9766, -12.0213, 10.3335

## Protanomaly

48.8558, -6.5201, 11.0312

## Deuteranomaly

48.6813, -2.6020, 9.8280

## Tritanomaly

48.8380, -6.9321, 2.1452

# Monochromacy



## Original Color

48.9766, -12.0213, 10.3335

## Achromatopsia

47.6409, -2.5420, 2.5884

## Achromatomaly

48.0030, -5.9939, 5.5102

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 48.9766, -12.0213, 10.3335 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, 140, 115)` looks like.

```
.text, #text, p{  
    color:rgb(120, 140, 115)  
}
```

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, 140, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 140, 115) }
```

## Border

The CSS property to change the border of an element to HunterLab 48.9766, -12.0213, 10.3335 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, 140, 115) }
```



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

```
.border{ border-color:rgb(120, 140, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 140, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 140, 115); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 140, 115); box-shadow:4px 4px 4px 4px rgb(120, 140, 115) }
```

# Background

The CSS property to change the background color of an element to HunterLab 48.9766, -12.0213, 10.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 140, 115) }
```

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

```
.background{ background-color: rgb(120,  
140, 115) }
```

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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