

# Converting Colors

HunterLab(38.5336, -21.7346,  
21.0330)

Have a look what the booklet for  
HunterLab(38.5336, -21.7346,  
21.0330) contains.

<b>HunterLab(38.5300, -21.7207, 21.0330)</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(38.5300,  
-21.7207, 21.0330)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4C7722
RGB	76, 119, 34
RGB Percent	30%, 47%, 13%
CMY	0.7020, 0.5333, 0.8667
CMYK	0.36, 0.00, 0.71, 0.53
HSL	90°, 56%, 30%
HSV	90°, 71%, 47%
XYZ	9.8660, 14.8456, 3.8588
YIQ	96.4530, 1.6570, -35.5510

# Conversions

## Conversions Part 2

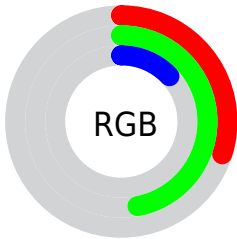
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 119, 77
Decimal	5011234
CIELab	45.42, -29.77, 40.21
CIELCh	45, 50.026, 126.516
Yxy	14.8463, 0.3453, 0.5196
Android (android.graphics.Color)	4283201314 (0xFF4C7722)
YUV	96.4530, -30.7893, -17.9373
Hunter-Lab	38.5300, -21.7207, 21.0330

# Details

The HunterLab color  $[38.5300, -21.7207, 21.0330]$  is a dark color, and the websafe version is hex  $336600$ . A complement of this color would be  $[20.1350, 26.4922, -38.5233]$ , and the grayscale version is  $[34.4816, -1.8398, 1.8734]$ .

A 20% lighter version of the original color is  $[58.9358, -26.6479, 27.4116]$ , and  $[21.4173, -15.8853, 12.9191]$  is the 20% darker color. If you saturate the color by 10%, you get  $[38.1496, -23.4009, 21.9102]$ , and if you desaturate by 10%, it is  $[38.9686, -19.7789, 19.7486]$ .

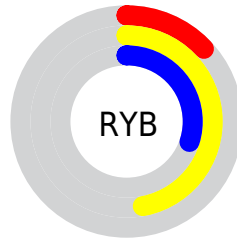
# Distribution



Red (30%)

Green (47%)

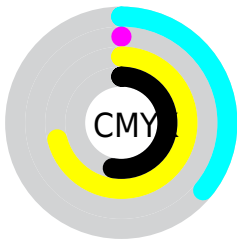
Blue (13%)



Red (13%)

Yellow (47%)

Blue (30%)

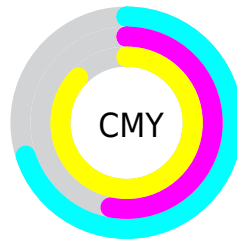


Cyan (36%)

Magenta (0%)

Yellow (71%)

Black (53%)



Cyan (70%)

Magenta (53%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 38.5300, -21.7207, 21.0330 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 38.5300, -21.7207, 21.0330 by changing the saturation by 10% instead.



■ 38.5300, -21.7207,  
21.0330

■ 38.5300, -21.7207,  
21.0330

149.1421,  
-41.0316, 46.1014

■ 29.5153, -19.1634,  
17.5503

■ 58.8075, -26.4357,  
27.3694

■ 21.3390, -16.3962,  
14.2327

■ 69.9674, -28.6570,  
30.3053

■ 14.0988, -13.3120,  
9.8692

■ 81.7555, -30.8151,  
33.1260

■ 7.7482, -13.5594,  
5.4237

■ 94.1401, -32.9234,  
35.8527

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 107.0937,  
-34.9922, 38.5018

0.0000, NaN, NaN

■ 120.5923,

0.0000, NaN, NaN

-37.0292, 41.0863

0.0000, NaN, NaN

134.6147,  
-39.0406, 43.6167

38.5300, -21.7207,  
21.0330

38.5300, -21.7207,  
21.0330

38.1496, -23.4009,  
21.9102

38.9686, -19.7789,  
19.7486

37.8222, -24.8245,  
22.4120

39.4645, -17.5714,  
18.0356

37.5738, -25.9020,  
22.6993

40.0196, -15.1025,  
15.8835

40.6343, -12.3791,  
13.2894

41.3086, -9.4117,  
10.2571

■ 42.0420, -6.2126,  
6.7959

■ 42.8339, -2.7962,  
2.9197

■ 43.6830, 0.8224,  
-1.3544

■ 44.5880, 4.6272,  
-6.0068

# Harmonies

## Analogous

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



38.5308, -6.1734, 23.2542



38.5300, -21.7207, 21.0330



38.5308, -30.4948, 13.6661

# Triad

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



38.5308, -21.7215, 21.0332



38.5308, -15.7406, -46.2630



38.5308, 42.1025, 5.8868

# Complementary

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



38.5300, -21.7207, 21.0330



20.1350, 26.4922, -38.5233

# 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.



38.5308, 38.1586, -14.7599



38.5300, -21.7207, 21.0330



38.5308, 2.2378, -51.9335

# Square

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



38.5308, -21.7215, 21.0332



38.5308, -27.5458, -25.3263



38.5308, 22.5639, -38.3496



38.5308, 32.4750, 17.7293



# Rectangle

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



38.5300, -21.7207, 21.0330



38.5308, -32.5079, 4.1787



38.5308, 22.5639, -38.3496



38.5308, 42.3437, -0.1070

# Sweetspot

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



38.5308, -21.7215, 21.0332



55.2670, -12.6381, 13.7717



30.4566, 8.3336, 15.9666



26.8049, -6.5910, 7.1628



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.



38.5308, -21.7215, 21.0332



50.7461, -32.6376, 29.8244



36.9458, -28.1989, 19.8432



20.4421, -2.6190, 2.8565



38.7209, -26.7281, 23.3917



85.1791, -60.2307, 51.4326



# Inverse Universe

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



20.1350, 26.4922, -38.5233



22.5762, 42.7911, -67.4169



25.2949, 36.9584, -24.6768



19.1636, 0.5621, -0.8364



15.6101, 35.7977, -60.1822



33.7107, 78.1860, -136.7832



# Previews

## White Background



This preview shows how the HunterLab color 38.5300, -21.7207, 21.0330 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 38.5300, -21.7207, 21.0330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

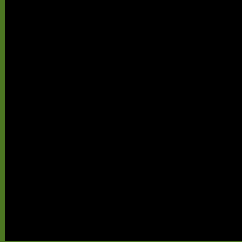
Any Text WCAG AA × Fail

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 38.5300, -21.7207, 21.0330 Background



This preview shows how black text looks on a background with the HunterLab color 38.5300, -21.7207, 21.0330.



This preview shows how white text looks on a background with the HunterLab color 38.5300,

-21.7207, 21.0330.

# 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

38.5300, -21.7207, 21.0330

### Protanopia

38.2196, -4.9983, 21.4523

### Deuteranopia

38.3722, 2.4670, 20.5862



## Tritanopia

38.4703, -6.5440, -3.7952

# Trichromacy



## Original Color

38.5300, -21.7207, 21.0330

## Protanomaly

37.9687, -11.6566, 21.0582

## Deuteranomaly

37.9154, -7.3981, 20.3663

## Tritanomaly

38.2632, -13.4214, 8.6977

# Monochromacy



## Original Color

38.5300, -21.7207, 21.0330

## Achromatopsia

34.2010, -1.8249, 1.8582

## Achromatomaly

35.3631, -10.0325, 11.0468

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 38.5300, -21.7207, 21.0330 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(76, 119, 34)` looks like.

```
.text, #text, p{  
    color:rgb(76, 119, 34)  
}
```

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(76, 119, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 119, 34) }
```

## Border

The CSS property to change the border of an element to HunterLab 38.5300, -21.7207, 21.0330 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(76, 119, 34) }
```



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

```
.border{ border-color:rgb(76, 119, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 119, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 119, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 119, 34);  
box-shadow:4px 4px 4px 4px rgb(76, 119,  
34) }
```

# Background

The CSS property to change the background color of an element to HunterLab 38.5300, -21.7207, 21.0330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 119, 34) }
```

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

```
.background{ background-color: rgb(76, 119,  
34) }
```

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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