

# Converting Colors

HunterLab(53.8070, 33.8189,  
33.7477)

Have a look what the booklet for  
HunterLab(53.8070, 33.8189,  
33.7477) contains.

<b>HunterLab(53.7768, 33.4961, 33.7234)</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(53.7768, 33.4961,  
33.7234)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E57300
RGB	229, 115, 0
RGB Percent	90%, 45%, 0%
CMY	0.1020, 0.5490, 1.0000
CMYK	0.00, 0.50, 1.00, 0.10
HSL	30°, 100%, 45%
HSV	30°, 100%, 90%
XYZ	38.4438, 28.9194, 3.5558
YIQ	135.9760, 104.8590, -11.5970

# Conversions

## Conversions Part 2

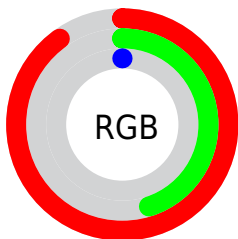
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	227, 229, 0
Decimal	15037184
CIE <sub>Lab</sub>	60.71, 39.12, 68.33
CIE <sub>LCh</sub>	61, 78.736, 60.210
Yxy	28.9210, 0.5421, 0.4078
Android (android.graphics.Color)	4293227264 (0xFFE57300)
YUV	135.9760, -67.0362, 81.5820
Hunter-Lab	53.7768, 33.4961, 33.7234

# Details

The HunterLab color **53.7768, 33.4961, 33.7234** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **42.0616, 11.9474, -78.3636**, and the grayscale version is **49.8390, -2.6593, 2.7078**.

A 20% lighter version of the original color is **70.4946, 19.2346, 39.0399**, and **34.3129, 31.2978, 21.6914** is the 20% darker color. If you saturate the color by 10%, you get **53.7774, 33.4941, 33.7237**, and if you desaturate by 10%, it is **56.3430, 28.0586, 34.3616**.

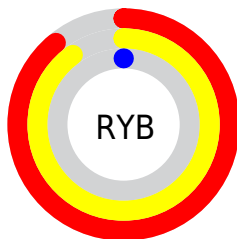
# Distribution



Red (90%)

Green (45%)

Blue (0%)



Red (89%)

Yellow (90%)

Blue (0%)

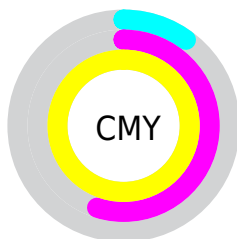


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (55%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 53.7768, 33.4961, 33.7234 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 53.7768, 33.4961, 33.7234 by changing the saturation by 10% instead.



53.7768, 33.4961,  
33.7234

53.7768, 33.4961,  
33.7234

172.2911, 41.1812,  
71.3392

43.6132, 32.1630,  
28.6461

76.1259, 35.8122,  
43.1844

34.1841, 30.7104,  
23.7031

88.2332, 36.8206,  
47.6147

25.5537, 29.1317,  
17.8876

100.9219, 37.7385,  
51.8779

17.8042, 27.4449,  
12.4629

114.1666, 38.5727,  
55.9955

11.0502, 25.7459,  
7.7351

127.9447, 39.3291,  
59.9858

2.8073, 61.4819,  
1.9651

142.2364, 40.0130,

0.0000, NaN, NaN

63.8646

0.0000, NaN, NaN

157.0239, 40.6290,  
67.6452

0.0000, NaN, NaN

53.7768, 33.4961,  
33.7234

53.7768, 33.4961,  
33.7234

53.7774, 33.4941,  
33.7237

56.3430, 28.0586,  
34.3616

59.1397, 22.8592,  
34.2703

62.1644, 18.0085,  
33.2960

65.4033, 13.5544,  
31.4409

68.8414, 9.5170,  
28.7447

■ 72.4638, 5.8977,  
25.2651

■ 76.2557, 2.6851,  
21.0672

■ 80.2037, -0.1400,  
16.2170

■ 84.2952, -2.6011,  
10.7775

# Harmonies

## Analogous

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



53.7783, 65.8402, 25.7131



53.7768, 33.4961, 33.7234



53.7783, -3.1107, 35.3436

# Triad

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



53.7783, 33.4921, 33.7240



53.7783, -53.7620, 2.6998



53.7783, 34.0096, -82.9471

# Complementary

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



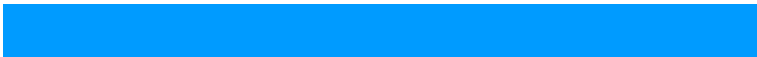
53.7768, 33.4961, 33.7234



42.0616, 11.9474, -78.3636

# 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.



53.7783, -2.6336, -103.3087



53.7768, 33.4961, 33.7234



53.7783, -48.4029, -38.5481

# Square

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



53.7783, 33.4921, 33.7240



53.7783, -48.5533, 25.5192



53.7783, -31.5748, -83.4684



53.7783, 66.1873, -37.8862



# Rectangle

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



53.7768, 33.4961, 33.7234



53.7783, -23.5873, 34.6602



53.7783, -31.5748, -83.4684



53.7783, 21.5470, -93.8164

# Sweetspot

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



53.7783, 33.4921, 33.7240



86.0686, 3.0952, 23.8928



42.2900, 75.3217, 4.8472



38.9690, 2.1203, 12.0254

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



53.7783, 33.4921, 33.7240



60.5923, 38.2167, 38.0057



85.2619, -22.9006, 52.1369



39.4437, -1.2713, 4.8854



40.9590, 24.6387, 25.6701



11.9396, 4.9115, 7.4431



# Inverse Universe

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



42.0616, 11.9474, -78.3636



47.3107, 13.9122, -89.1668



23.7851, 64.5142, -168.9958



38.8156, -2.7524, -0.7904



32.1800, 8.2885, -58.1146



9.7518, 0.3879, -13.0263



# Previews

## White Background



This preview shows how the HunterLab color 53.7768, 33.4961, 33.7234 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 53.7768, 33.4961, 33.7234 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 53.7768, 33.4961, 33.7234 Background



This preview shows how black text looks on a background with the HunterLab color 53.7768, 33.4961, 33.7234.



This preview shows how white text looks on a background with the HunterLab color 53.7768, 33.4961, 33.7234.



# 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

53.7768, 33.4961, 33.7234

### Protanopia

53.8748, -7.1896, 32.3432

### Deuteranopia

53.7628, 3.8007, 33.1949



## Tritanopia

53.7458, 44.0189, 16.3267

# Trichromacy



## Original Color

53.7768, 33.4961, 33.7234

## Protanomaly

53.0809, 7.0603, 32.4065

## Deuteranomaly

53.4058, 14.6300, 33.1645

## Tritanomaly

53.4994, 38.9465, 26.6623

# Monochromacy



## Original Color

53.7768, 33.4961, 33.7234

## Achromatopsia

49.6187, -2.6475, 2.6959

## Achromatomaly

49.6714, 6.5702, 19.9594

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 53.7768, 33.4961, 33.7234 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(229, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 115, 0)  
}
```

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(229, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 115, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 53.7768, 33.4961, 33.7234 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(229, 115, 0) }
```



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

```
.border{ border-color:rgb(229, 115, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 115, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 115,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 53.7768, 33.4961, 33.7234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 115, 0) }
```

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

```
.background{ background-color: rgb(229,  
115, 0) }
```

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