

# Converting Colors

HunterLab(67.7601, 5.1978,  
33.5747)

Have a look what the booklet for  
HunterLab(67.7601, 5.1978,  
33.5747) contains.

<b>HunterLab(67.7601, 5.1978, 33.5747)</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(67.7601, 5.1978,  
33.5747)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFAC59
RGB	223, 172, 89
RGB Percent	87%, 67%, 35%
CMY	0.1255, 0.3255, 0.6510
CMYK	0.00, 0.23, 0.60, 0.13
HSL	37°, 68%, 61%
HSV	37°, 60%, 87%
XYZ	46.9872, 45.9143, 15.8370
YIQ	177.7870, 57.0390, -15.0010

# Conversions

## Conversions Part 2

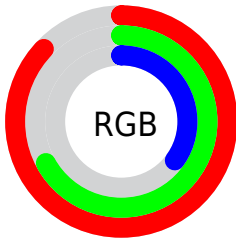
<b>Format</b>	<b>Color</b>
<b>RYB</b>	171, 223, 89
Decimal	14658649
CIELab	73.49, 9.62, 49.11
CIELCh	73, 50.046, 78.922
Yxy	45.9165, 0.4321, 0.4222
Android (android.graphics.Color)	4292848729 (0xFFDFAC59)
YUV	177.7870, -43.7720, 39.6518
Hunter-Lab	67.7601, 5.1978, 33.5747

# Details

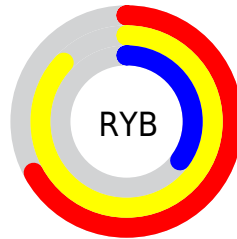
The HunterLab color **67.7601, 5.1978, 33.5747** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **51.1924, 3.9192, -49.2415**, and the grayscale version is **66.7958, -3.5641, 3.6291**.

A 20% lighter version of the original color is **88.3862, -6.2054, 37.4507**, and **46.3308, 5.1305, 26.2920** is the 20% darker color. If you saturate the color by 10%, you get **65.1682, 8.1871, 35.5109**, and if you desaturate by 10%, it is **70.4869, 2.6041, 30.7558**.

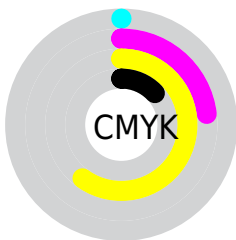
# Distribution



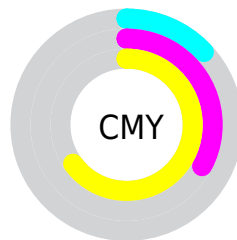
- Red (87%)
- Green (67%)
- Blue (35%)



- Red (67%)
- Yellow (87%)
- Blue (35%)



- Cyan (0%)
- Magenta (23%)
- Yellow (60%)
- Black (13%)



- Cyan (13%)
- Magenta (33%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 67.7601, 5.1978, 33.5747 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 67.7601, 5.1978, 33.5747 by changing the saturation by 10% instead.



67.7601, 5.1978,  
33.5747

67.7601, 5.1978,  
33.5747

192.4768, 2.0481,  
60.7443

56.7274, 5.3029,  
30.0346

91.7028, 4.8073,  
40.2184

46.3670, 5.3458,  
26.3067

104.5485, 4.5376,  
43.3675

36.7277, 5.3146,  
22.3528

117.9435, 4.2221,  
46.4252

27.8681, 5.1980,  
18.2239

131.8663, 3.8638,  
49.4052

19.8640, 4.9793,  
13.9048

146.2976, 3.4652,  
52.3186

12.8190, 4.6338,  
8.9733

161.2199, 3.0284,

6.2170, 6.4079,

55.1747

4.3519

176.6177, 2.5555,  
57.9811

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 67.7601, 5.1978,  
33.5747

■ 67.7601, 5.1978,  
33.5747

■ 65.1682, 8.1871,  
35.5109

■ 70.4869, 2.6041,  
30.7558

■ 62.7109, 11.5705,  
36.5542

■ 73.3377, 0.4142,  
27.0809

■ 60.3929, 15.3181,  
36.7317

■ 76.3079, -1.3835,  
22.5921

■ 58.2270, 19.3139,  
36.2173

■ 79.3913, -2.8030,  
17.3368

■ 82.5813, -3.8616,

11.3655

■ 85.8720, -4.5786,  
4.7288

■ 89.2574, -4.9742,  
-2.5241

■ 92.2863, -7.5173,  
-4.0466

■ 95.0152, -11.9142,  
-0.6964

# Harmonies

## Analogous

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



67.7618, 28.3607, 28.5694



67.7601, 5.1978, 33.5747



67.7618, -17.5275, 32.8632

# Triad

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



67.7618, 5.1947, 33.5754



67.7618, -40.9650, -11.6174



67.7618, 33.5174, -30.6655

# Complementary

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



67.7601, 5.1978, 33.5747



51.1924, 3.9192, -49.2415

# 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.



67.7618, 11.5100, -50.1951



67.7601, 5.1978, 33.5747



67.7618, -30.5861, -36.8828

# Square

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



67.7618, 5.1947, 33.5754



67.7618, -42.1779, 11.3682



67.7618, -12.0045, -52.7914



67.7618, 46.1215, -5.0108



# Rectangle

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



67.7601, 5.1978, 33.5747



67.7618, -29.5023, 29.1510



67.7618, -12.0045, -52.7914



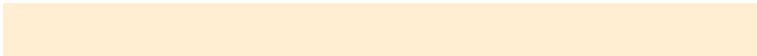
67.7618, 26.8467, -38.4876

# Sweetspot

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



67.7618, 5.1947, 33.5754



93.1373, -3.5361, 18.8876



49.7367, 52.0834, 1.8129



42.5933, -1.4436, 9.6314

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



67.7618, 5.1947, 33.5754



75.1481, 10.4545, 41.7324



81.7403, -25.0675, 43.0734



38.8683, -1.8392, 5.1454



44.8995, 14.2981, 27.9172



12.5241, 2.3810, 7.7590



# Inverse Universe

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



51.1924, 3.9192, -49.2415



52.6349, 10.4507, -73.9535



39.3116, 34.1625, -80.4688



37.5420, -2.0930, -1.2052



26.7246, 18.9305, -74.2690



8.1491, 2.5244, -15.6353



# Previews

## White Background



This preview shows how the HunterLab color 67.7601, 5.1978, 33.5747 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 67.7601, 5.1978, 33.5747 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 ✓ Pass

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

## HunterLab 67.7601, 5.1978, 33.5747 Background



This preview shows how black text looks on a background with the HunterLab color 67.7601, 5.1978, 33.5747.



This preview shows how white text looks on a background with the HunterLab color 67.7601, 5.1978,



# 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

67.7601, 5.1978, 33.5747

### Protanopia

67.8968, -7.6788, 32.8616

### Deuteranopia

67.7601, 5.1978, 33.5747



## Tritanopia

67.6453, 22.2441, 6.5241

# Trichromacy



## Original Color

67.7601, 5.1978, 33.5747

## Protanomaly

67.8277, -3.3759, 33.0843

## Deuteranomaly

67.7601, 5.1978, 33.5747

## Tritanomaly

67.5403, 14.8696, 18.7159

# Monochromacy



## Original Color

67.7601, 5.1978, 33.5747

## Achromatopsia

66.7234, -3.5602, 3.6252

## Achromatomaly

66.7797, -2.0291, 16.9697

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 67.7601, 5.1978, 33.5747 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(223, 172, 89)` looks like.

```
.text, #text, p{  
    color:rgb(223, 172, 89)  
}
```

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(223, 172, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 172, 89) }
```

## Border

The CSS property to change the border of an element to HunterLab 67.7601, 5.1978, 33.5747 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(223, 172, 89) }
```



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

```
.border{ border-color:rgb(223, 172, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 172, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 172, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 172, 89);  
box-shadow:4px 4px 4px 4px rgb(223, 172,  
89) }
```

# Background

The CSS property to change the background color of an element to HunterLab 67.7601, 5.1978, 33.5747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 172, 89) }
```

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

```
.background{ background-color: rgb(223,  
172, 89) }
```

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