

# Converting Colors

HunterLab(63.6795, -33.2395,  
38.1397)

Have a look what the booklet for  
HunterLab(63.6795, -33.2395,  
38.1397) contains.

<b>HunterLab(63.5576, -33.0901, 38.0508)</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(63.5576,  
-33.0901, 38.0508)**

# Conversions

## Conversions Part 1

Format	Color
Hex	88BA12
RGB	136, 186, 18
RGB Percent	53%, 73%, 7%
CMY	0.4667, 0.2706, 0.9294
CMYK	0.27, 0.00, 0.90, 0.27
HSL	78°, 82%, 40%
HSV	78°, 90%, 73%
XYZ	27.8214, 40.3957, 6.9030
YIQ	151.8980, 24.1280, -62.8480

# Conversions

## Conversions Part 2

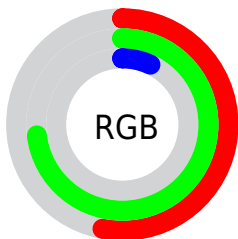
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	18, 186, 68
Decimal	8960530
CIE Lab	69.75, -37.63, 68.10
CIE LCh	70, 77.802, 118.926
Yxy	40.3975, 0.3704, 0.5377
Android (android.graphics.Color)	4287150610 (0xFF88BA12)
YUV	151.8980, -66.0117, -13.9425
Hunter-Lab	63.5576, -33.0901, 38.0508

# Details

The HunterLab color  $63.5576, -33.0901, 38.0508$  is a dark color, and the websafe version is hex  $99CC33$ . A complement of this color would be  $22.8208, 49.7401, -105.7647$ , and the grayscale version is  $56.2468, -3.0012, 3.0560$ .

A 20% lighter version of the original color is  $86.8894, -38.2787, 47.0062$ , and  $42.9890, -26.6671, 26.0228$  is the 20% darker color. If you saturate the color by 10%, you get  $63.1791, -34.6650, 38.3238$ , and if you desaturate by 10%, it is  $64.0004, -31.2202, 37.2982$ .

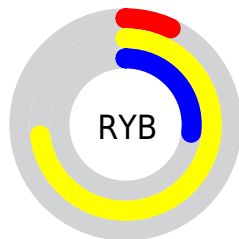
# Distribution



Red (53%)

Green (73%)

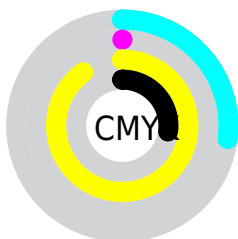
Blue (7%)



Red (7%)

Yellow (73%)

Blue (27%)

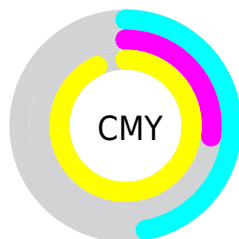


Cyan (27%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (47%)

Magenta (27%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 63.5576, -33.0901, 38.0508 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 63.5576, -33.0901, 38.0508 by changing the saturation by 10% instead.



■ 63.5576, -33.0901,  
38.0508

■ 63.5576, -33.0901,  
38.0508

186.4929,  
-54.8099, 74.4437

■ 52.7718, -30.3444,  
33.2051

■ 87.0450, -38.2889,  
47.1117

■ 42.6750, -27.4602,  
28.1183

■ 99.6791, -40.7769,  
51.3766

■ 33.3196, -24.3953,  
23.2688

■ 112.8714,  
-43.2089, 55.4945

■ 24.7699, -21.0821,  
17.3389

■ 126.5992,  
-45.5946, 59.4840

■ 17.1103, -17.4101,  
11.9772

■ 140.8424,  
-47.9419, 63.3610

■ 10.4598, -16.4711,  
7.3218

■ 155.5830,

0.0000, NaN, NaN

-50.2569, 67.1392

0.0000, NaN, NaN

170.8048,  
-52.5448, 70.8301

0.0000, NaN, NaN

■ 63.5576, -33.0901,  
38.0508

■ 63.5576, -33.0901,  
38.0508

■ 63.1791, -34.6650,  
38.3238

■ 64.0004, -31.2202,  
37.2982

■ 64.5037, -29.0323,  
35.8917

■ 65.0737, -26.5053,  
33.7613

■ 65.7141, -23.6258,  
30.8579

■ 66.4277, -20.3871,  
27.1489

■ 67.2162, -16.7884,  
22.6151

■ 68.0810, -12.8337,  
17.2495

■ 69.0226, -8.5309,  
11.0547

■ 70.0412, -3.8911,  
4.0423

# Harmonies

## Analogous

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



63.5590, -2.1139, 40.1255



63.5576, -33.0901, 38.0508



63.5590, -51.8351, 28.6346

# Triad

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



63.5590, -33.0917, 38.0511



63.5590, -34.8608, -80.7856



63.5590, 80.0216, 2.2341

# Complementary

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



63.5576, -33.0901, 38.0508



22.8208, 49.7401, -105.7647

# 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.



63.5590, 66.0757, -39.8769



63.5576, -33.0901, 38.0508



63.5590, -4.6655, -101.3573

# Square

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



63.5590, -33.0917, 38.0511



63.5590, -52.6882, -36.5234



63.5590, 33.0089, -83.3571



63.5590, 67.8589, 27.4930



# Rectangle

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



63.5576, -33.0901, 38.0508



63.5590, -57.3675, 14.6861



63.5590, 33.0089, -83.3571



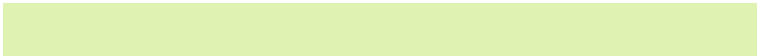
63.5590, 78.1874, -10.2817

# Sweetspot

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



63.5590, -33.0917, 38.0511



90.8154, -21.1228, 28.4881



37.8607, 38.8121, 23.1121



42.4363, -10.7395, 14.4615



97.7295, -5.2146, 5.3098



44.2712, -2.3622, 2.4053



# Same Dimension

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



63.5590, -33.0917, 38.0511



84.9794, -46.9763, 51.5415



59.9658, -47.7503, 35.5484



32.1956, -3.7671, 4.8435



51.8586, -28.2780, 31.4600



9.8918, -4.6993, 6.0130



# Inverse Universe

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



22.8208, 49.7401, -105.7647



27.9423, 70.8482, -160.2063



32.2879, 62.8274, -64.3127



29.7415, 0.5616, -1.7571



17.2422, 43.3602, -96.0847



3.7143, 8.6244, -15.1472



# Previews

## White Background



This preview shows how the HunterLab color 63.5576, -33.0901, 38.0508 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 63.5576, -33.0901, 38.0508 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

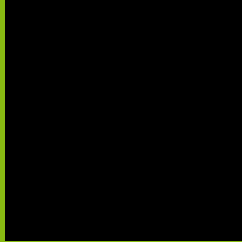
Any Text WCAG AA ✓ Pass

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 63.5576, -33.0901, 38.0508 Background



This preview shows how black text looks on a background with the HunterLab color 63.5576, -33.0901, 38.0508.



This preview shows how white text looks on a background with the HunterLab color 63.5576, -33.0901, 38.0508.

-33.0901, 38.0508.

# 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

63.5576, -33.0901, 38.0508

### Protanopia

63.2280, -8.5434, 38.5420

### Deuteranopia

63.1869, 4.7553, 37.2981



## Tritanopia

63.4408, -6.7754, -4.9644

# Trichromacy



## Original Color

63.5576, -33.0901, 38.0508

## Protanomaly

63.1272, -18.2601, 38.2214

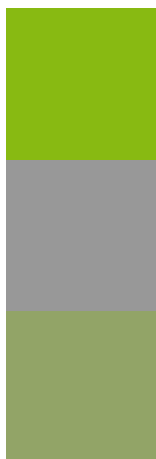
## Deuteranomaly

62.6797, -10.3814, 37.2150

## Tritanomaly

62.8889, -20.0267, 19.7922

# Monochromacy



## Original Color

63.5576, -33.0901, 38.0508

## Achromatopsia

56.0347, -2.9899, 3.0445

## Achromatomaly

58.0010, -16.6305, 22.3317

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 63.5576, -33.0901, 38.0508 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(136, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(136, 186, 18)  
}
```

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(136, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 186, 18) }
```

## Border

The CSS property to change the border of an element to HunterLab 63.5576, -33.0901, 38.0508 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(136, 186, 18) }
```



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

```
.border{ border-color:rgb(136, 186, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 186, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(136, 186,  
18) }
```

# Background

The CSS property to change the background color of an element to HunterLab 63.5576, -33.0901, 38.0508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 186, 18) }
```

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

```
.background{ background-color: rgb(136,  
186, 18) }
```

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