

# Converting Colors

HunterLab(71.3130, -0.8206,  
43.9284)

Have a look what the booklet for  
HunterLab(71.3130, -0.8206,  
43.9284) contains.

<b>HunterLab(71.3716, -1.2170, 43.9575)</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(71.3716, -1.2170,  
43.9575)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5B800
RGB	229, 184, 0
RGB Percent	90%, 72%, 0%
CMY	0.1020, 0.2784, 0.9999
CMYK	0.00, 0.20, 1.00, 0.10
HSL	48°, 100%, 45%
HSV	48°, 100%, 90%
XYZ	49.4536, 50.9391, 7.2258
YIQ	176.4790, 85.8840, -47.6840

# Conversions

## Conversions Part 2

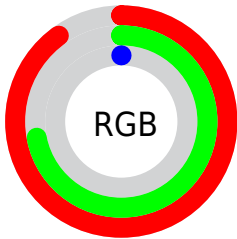
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 229, 0
Decimal	15054848
CIELab	76.64, 2.83, 78.75
CIELCh	77, 78.805, 87.943
Yxy	50.9416, 0.4595, 0.4733
Android (android.graphics.Color)	4293244928 (0xFFE5B800)
YUV	176.4790, -87.0041, 46.0609
Hunter-Lab	71.3716, -1.2170, 43.9575

# Details

The HunterLab color **71.3716, -1.2170, 43.9575** is a dark color, and the websafe version is hex **FFCC33**. The color can be described as middle washed orange. A complement of this color would be **27.4501, 50.0356, -142.3200**, and the grayscale version is **66.4174, -3.5439, 3.6086**.

A 20% lighter version of the original color is **91.7548, -16.7607, 51.0872**, and **49.8271, 0.2120, 30.7069** is the 20% darker color. If you saturate the color by 10%, you get **71.3721, -1.2183, 43.9578**, and if you desaturate by 10%, it is **72.7341, -3.2074, 44.1048**.

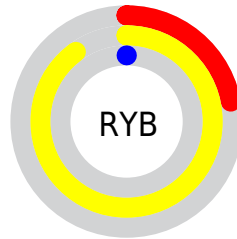
# Distribution



Red (90%)

Green (72%)

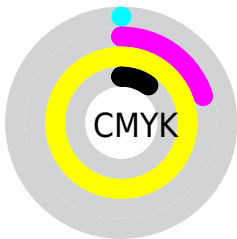
Blue (0%)



Red (22%)

Yellow (90%)

Blue (0%)

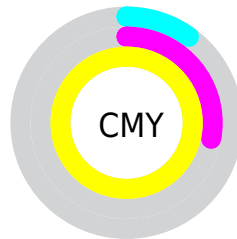


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (10%)



Cyan (10%)

Magenta (28%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the HunterLab color 71.3716, -1.2170, 43.9575 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 71.3716, -1.2170, 43.9575 by changing the saturation by 10% instead.



71.3716, -1.2170,  
43.9575

71.3716, -1.2170,  
43.9575

197.5694, -6.9258,  
84.5102

60.1349, -0.7618,  
38.6202

95.6914, -2.2566,  
54.0043

49.5575, -0.3473,  
33.0537

108.7127, -2.8295,  
58.7533

39.6851, 0.0189,  
27.6056

122.2763, -3.4362,  
63.3461

30.5725, 0.3314,  
21.4008

136.3614, -4.0750,  
67.8002

22.2892, 0.5826,  
15.6024

150.9492, -4.7447,  
72.1311

14.9283, 0.7613,  
10.4498

166.0231, -5.4437,

8.5761, 0.9794,

76.3521

6.0032

181.5678, -6.1711,  
80.4751

0.0000, NaN, NaN

0.0000, NaN, NaN

■ 71.3716, -1.2170,  
43.9575

■ 71.3716, -1.2170,  
43.9575

■ 71.3721, -1.2183,  
43.9578

■ 72.7341, -3.2074,  
44.1048

■ 74.1594, -4.9202,  
43.5588

■ 75.6615, -6.2860,  
42.1357

■ 77.2447, -7.2738,  
39.7653

■ 78.9119, -7.8648,

36.4092

■ 80.6641, -8.0488,  
32.0516

■ 82.5017, -7.8225,  
26.6936

■ 84.4242, -7.1878,  
20.3490

■ 86.4306, -6.1510,  
13.0413

# Harmonies

## Analogous

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



71.3734, 38.3634, 40.8842



71.3716, -1.2170, 43.9575



71.3734, -34.3946, 41.6881

# Triad

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



71.3734, -1.2203, 43.9581



71.3734, -56.7448, -36.0283



71.3734, 67.6751, -42.6174

# Complementary

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



71.3716, -1.2170, 43.9575



27.4501, 50.0356, -142.3200

# 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.



71.3734, 32.9833, -86.4339



71.3716, -1.2170, 43.9575



71.3734, -38.0164, -81.4486

# Square

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



71.3734, -1.2203, 43.9581



71.3734, -62.2555, 6.2901



71.3734, -6.3675, -103.3926



71.3734, 82.8900, 1.3932



# Rectangle

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



71.3716, -1.2170, 43.9575



71.3734, -49.6220, 36.1337



71.3734, -6.3675, -103.3926



71.3734, 57.5961, -58.5593

# Sweetspot

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



71.3734, -1.2203, 43.9581



93.1643, -8.8463, 30.2798



41.0538, 70.7800, 22.8306



42.6897, -4.1673, 15.2559

0.0000, NaN, NaN



46.2646, -2.4686, 2.5136



# Same Dimension

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



71.3734, -1.2203, 43.9581



80.5431, -1.2277, 49.6088



79.7141, -44.1576, 48.3460



40.3864, -2.8395, 5.8916



54.1269, -1.1913, 33.3319



15.1269, -1.0137, 9.3033



# Inverse Universe

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



27.4501, 50.0356, -142.3200



30.8388, 57.1370, -161.8881



26.2914, 66.5365, -149.8018



37.8726, -1.1836, -1.9580



21.0735, 36.7239, -105.6163



6.7569, 6.8343, -23.1989



# Previews

## White Background



This preview shows how the HunterLab color 71.3716, -1.2170, 43.9575 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

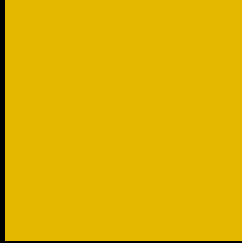
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the HunterLab color 71.3716, -1.2170, 43.9575 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 71.3716, -1.2170, 43.9575 Background



This preview shows how black text looks on a background with the HunterLab color 71.3716, -1.2170, 43.9575.



This preview shows how white text looks on a background with the HunterLab color 71.3716, -1.2170,



# 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

71.3716, -1.2170, 43.9575

### Protanopia

71.5157, -9.8399, 43.6573

### Deuteranopia

71.4357, 4.9509, 43.6982



## Tritanopia

71.3703, 22.1912, 6.6948

# Trichromacy



## Original Color

71.3716, -1.2170, 43.9575

## Protanomaly

71.4420, -7.0193, 43.7564

## Deuteranomaly

71.2263, 2.7630, 43.6986

## Tritanomaly

70.7087, 10.0481, 29.6345

# Monochromacy



## Original Color

71.3716, -1.2170, 43.9575

## Achromatopsia

65.8903, -3.5157, 3.5799

## Achromatomaly

67.0911, -6.8620, 27.6743

# CSS Examples

## Text

The CSS property to change the color of the text to HunterLab 71.3716, -1.2170, 43.9575 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, 184, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 184, 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, 184, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 184, 0) }
```

## Border

The CSS property to change the border of an element to HunterLab 71.3716, -1.2170, 43.9575 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, 184, 0) }
```



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

```
.border{ border-color:rgb(229, 184, 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, 184, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 184, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 184, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 184,  
0) }
```

# Background

The CSS property to change the background color of an element to HunterLab 71.3716, -1.2170, 43.9575 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 184, 0) }
```

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

```
.background{ background-color: rgb(229,  
184, 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