

Converting Colors

CIELCh(68, 78.835, 65.088)

Have a look what the booklet for
CIELCh(68, 78.835, 65.088) contains.

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Color

CIELCh(68, 78.854, 64.890)

Conversions

Conversions Part 1

Format	Color
Hex	F58B11
RGB	245, 139, 17
RGB Percent	96%, 55%, 7%
CMY	0.0387, 0.4545, 0.9325
CMYK	0.00, 0.43, 0.93, 0.04
HSL	32°, 92%, 51%
HSV	32°, 93%, 96%
XYZ	47.0512, 37.9720, 5.3878
YIQ	156.7860, 102.3380, -15.4700

Conversions

Conversions Part 2

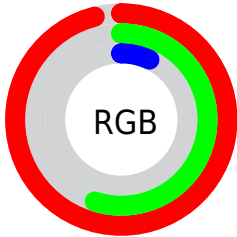
Format	Color
R_{YB}	215, 245, 17
Decimal	16091921
CIE _{Lab}	68.00, 33.46, 71.40
CIE _{LCh}	68, 78.854, 64.890
Yxy	37.9720, 0.5204, 0.4200
Android (android.graphics.Color)	4294282001 (0xFFFF58B11)
YUV	156.7860, -68.9145, 77.3637
Hunter-Lab	61.6215, 28.4566, 37.9510

Details

The CIELCh color **68, 78.854, 64.890** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **53, 70.861, 285.076**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 64.340, 79.795**, and **48, 66.622, 59.299** is the 20% darker color. If you saturate the color by 10%, you get **66, 81.893, 62.831**, and if you desaturate by 10%, it is **71, 72.548, 67.287**.

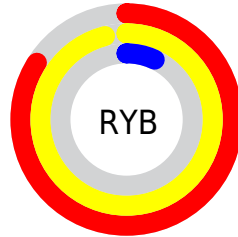
Distribution



Red (96%)

Green (55%)

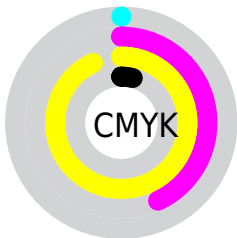
Blue (7%)



Red (84%)

Yellow (96%)

Blue (7%)

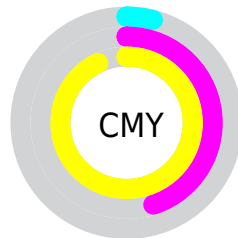


Cyan (0%)

Magenta (43%)

Yellow (93%)

Black (4%)



Cyan (4%)

Magenta (45%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 78.854, 64.890 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 CIELCh color 68, 78.854, 64.890 by changing the saturation by 10% instead.

 68, 78.854, 64.890

 68, 78.854, 64.890

 100, 78.854,
64.890

 58, 78.854, 64.890

 88, 78.854, 64.890

 48, 78.854, 64.890

 98, 78.854, 64.890

 38, 78.854, 64.890

 28, 78.854, 64.890

 18, 78.854, 64.890

 8, 78.854, 64.890

 0, 78.854, 64.890

 68, 78.854, 64.890

 68, 78.854, 64.890

 66, 81.893, 62.831

 71, 72.548, 67.287

73, 64.276, 69.121

76, 55.098, 70.676

79, 45.686, 72.105

82, 36.387, 73.478

86, 27.363, 74.821

89, 18.673, 76.138

92, 10.330, 77.421

96, 2.319, 78.557

Harmonies

Complementary

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



68, 78.854, 64.890



53, 70.861, 285.076

Rectangle

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



68, 78.854, 64.890



68, 78.854, 114.890



68, 78.854, 244.890



68, 78.854, 294.890

Sweetspot

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



68, 78.852, 64.893



90, 23.741, 75.473



53, 80.929, 2.937



47, 16.538, 74.901



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 78.852, 64.893



69, 84.409, 62.746



93, 92.792, 104.928



49, 4.484, 77.854



51, 66.427, 63.519



15, 24.679, 65.066

Inverse Universe

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



53, 70.861, 285.076



52, 78.971, 288.216



32, 126.364, 305.928



49, 4.408, 260.421



38, 61.109, 287.330



10, 23.585, 280.347

Previews

White Background



This preview shows how the CIELCh color 68, 78.854, 64.890 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 CIELCh color 68, 78.854, 64.890 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](#).

CIELCh 68, 78.854, 64.890

Background



This preview shows how black text looks on a background with the CIELCh color 68, 78.854, 64.890.



This preview shows how white text looks on a background with the CIELCh color 68, 78.854, 64.890.

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

68, 78.854, 64.890

Protanopia

68, 67.163, 95.444

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 49.627, 18.856

Trichromacy



Original Color
68, 78.854, 64.890

Protanomaly
68, 68.509, 83.102

Deuteranomaly
68, 73.864, 76.068

Tritanomaly
68, 56.941, 44.492

Monochromacy



Original Color
68, 78.854, 64.890

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 30.050, 72.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 78.854, 64.890 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(245, 139, 17)` looks like.

```
.text, #text, p{  
    color:rgb(245, 139, 17)  
}
```

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(245, 139, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 139, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 78.854, 64.890 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(245, 139, 17) }
```

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

```
.border{ border-color:rgb(245, 139, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 139, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 139, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 139, 17);  
box-shadow:4px 4px 4px 4px rgb(245, 139,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 78.854, 64.890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 139, 17) }
```

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

```
.background{ background-color: rgb(245,  
139, 17) }
```

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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