

Converting Colors

CIELCh(65, 78.043, 61.961)

Have a look what the booklet for
CIELCh(65, 78.043, 61.961) contains.

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Color

CIELCh(65, 78.165, 61.670)

Conversions

Conversions Part 1

Format	Color
Hex	F08012
RGB	240, 128, 18
RGB Percent	94%, 50%, 7%
CMY	0.0584, 0.4977, 0.9288
CMYK	0.00, 0.47, 0.92, 0.06
HSL	30°, 88%, 51%
HSV	30°, 92%, 94%
XYZ	43.8097, 34.0472, 4.8409
YIQ	148.9480, 102.0620, -10.4660

Conversions

Conversions Part 2

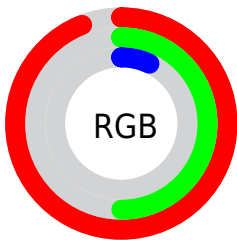
Format	Color
R_{YB}	240, 236, 18
Decimal	15761426
CIE _{Lab}	65.00, 37.09, 68.80
CIE _{LCh}	65, 78.165, 61.670
Yxy	34.0472, 0.5298, 0.4117
Android (android.graphics.Color)	4293951506 (0xFFFF08012)
YUV	148.9480, -64.5574, 79.8526
Hunter-Lab	58.3500, 31.9070, 35.9261

Details

The CIELCh color **65, 78.165, 61.670** 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 **54, 64.222, 280.963**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 63.338, 74.357**, and **45, 66.750, 55.688** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.892, 59.536**, and if you desaturate by 10%, it is **68, 71.267, 63.915**.

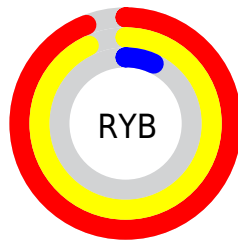
Distribution



Red (94%)

Green (50%)

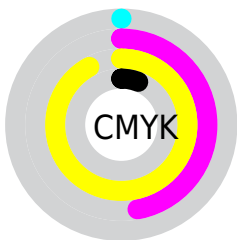
Blue (7%)



Red (94%)

Yellow (93%)

Blue (7%)

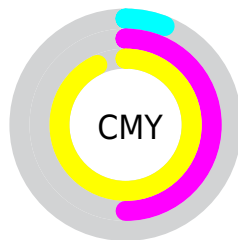


Cyan (0%)

Magenta (47%)

Yellow (92%)

Black (6%)



Cyan (6%)

Magenta (50%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 78.165, 61.670 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 65, 78.165, 61.670 by changing the saturation by 10% instead.

65, 78.165, 61.670

65, 78.165, 61.670

100, 78.165,
61.670

55, 78.165, 61.670

85, 78.165, 61.670

45, 78.165, 61.670

95, 78.165, 61.670

35, 78.165, 61.670

25, 78.165, 61.670

15, 78.165, 61.670

5, 78.165, 61.670

0, 78.165, 61.670

65, 78.165, 61.670

65, 78.165, 61.670

63, 81.892, 59.536

68, 71.267, 63.915

71, 62.634, 65.596

74, 53.311, 67.017

77, 43.913, 68.331

80, 34.740, 69.609

83, 25.922, 70.872

87, 17.500, 72.123

90, 9.471, 73.349

94, 1.811, 74.385

Harmonies

Complementary

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



65, 78.165, 61.670



54, 64.222, 280.963

Rectangle

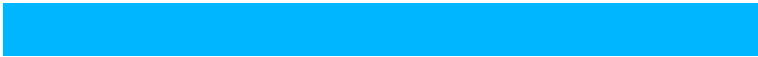
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 78.165, 61.670



65, 78.165, 111.670



65, 78.165, 241.670



65, 78.165, 291.670

Sweetspot

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



65, 78.163, 61.673



90, 23.243, 71.419



53, 80.383, 358.190



46, 16.217, 70.875



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 78.163, 61.673



67, 85.774, 59.402



91, 90.006, 101.962



48, 4.288, 73.701



49, 66.725, 60.230



14, 23.415, 60.723

Inverse Universe

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



54, 64.222, 280.963



55, 72.973, 284.575



32, 123.266, 305.544



48, 4.191, 256.211



40, 55.881, 283.588



10, 21.204, 275.834

Previews

White Background



This preview shows how the CIELCh color 65, 78.165, 61.670 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 65, 78.165, 61.670 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 65, 78.165, 61.670

Background



This preview shows how black text looks on a background with the CIELCh color 65, 78.165, 61.670.



This preview shows how white text looks on a background with the CIELCh color 65, 78.165, 61.670.

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

65, 78.165, 61.670

Protanopia

65, 63.843, 95.482

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 51.912, 20.272

Trichromacy



Original Color
65, 78.165, 61.670

Protanomaly
65, 65.850, 81.246

Deuteranomaly
65, 71.596, 74.472

Tritanomaly
65, 59.207, 42.306

Monochromacy



Original Color
65, 78.165, 61.670

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 29.159, 69.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 78.165, 61.670 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(240, 128, 18)` looks like.

```
.text, #text, p{  
    color:rgb(240, 128, 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(240, 128, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 128, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 78.165, 61.670 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(240, 128, 18) }
```

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

```
.border{ border-color:rgb(240, 128, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 128, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 128, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 128, 18);  
box-shadow:4px 4px 4px 4px rgb(240, 128,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 78.165, 61.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 128, 18) }
```

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

```
.background{ background-color: rgb(240,  
128, 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](#).

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