

Converting Colors

CIELCh(65, 78.281, 62.496)

Have a look what the booklet for
CIELCh(65, 78.281, 62.496) contains.

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Color

CIELCh(65, 78.221, 62.476)

Conversions

Conversions Part 1

Format	Color
Hex	EF810F
RGB	239, 129, 15
RGB Percent	94%, 51%, 6%
CMY	0.0631, 0.4944, 0.9417
CMYK	0.00, 0.46, 0.94, 0.06
HSL	31°, 88%, 50%
HSV	31°, 94%, 94%
XYZ	43.4887, 34.0472, 4.7261
YIQ	148.8940, 102.1540, -12.1340

Conversions

Conversions Part 2

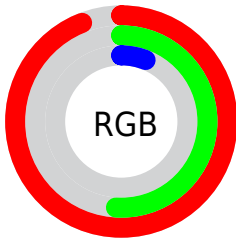
Format	Color
R _Y B	231, 239, 15
Decimal	15696143
CIE Lab	65.00, 36.15, 69.37
CIE LCh	65, 78.221, 62.476
Yxy	34.0472, 0.5287, 0.4139
Android (android.graphics.Color)	4293886223 (0xFFEF810F)
YUV	148.8940, -66.0097, 79.0230
Hunter-Lab	58.3500, 30.9250, 36.0427

Details

The CIELCh color **65, 78.221, 62.476** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **53, 66.638, 282.953**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 63.835, 75.016**, and **45, 66.190, 56.300** is the 20% darker color. If you saturate the color by 10%, you get **63, 81.099, 60.687**, and if you desaturate by 10%, it is **68, 71.861, 64.866**.

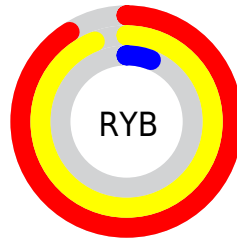
Distribution



Red (94%)

Green (51%)

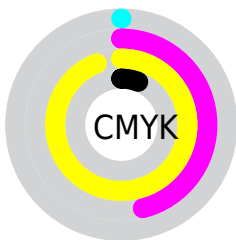
Blue (6%)



Red (91%)

Yellow (94%)

Blue (6%)

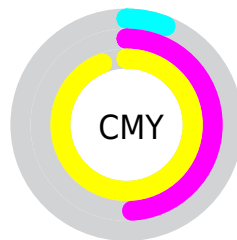


Cyan (0%)

Magenta (46%)

Yellow (94%)

Black (6%)



Cyan (6%)

Magenta (49%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 78.221, 62.476 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, 78.221, 62.476 by changing the saturation by 10% instead.

65, 78.221, 62.476

65, 78.221, 62.476

100, 78.221,
62.476

55, 78.221, 62.476

85, 78.221, 62.476

45, 78.221, 62.476

95, 78.221, 62.476

35, 78.221, 62.476

25, 78.221, 62.476

15, 78.221, 62.476

5, 78.221, 62.476

0, 78.221, 62.476

65, 78.221, 62.476

65, 78.221, 62.476

63, 81.099, 60.687

68, 71.861, 64.866

70, 63.575, 66.651

73, 54.439, 68.143

76, 45.125, 69.510

80, 35.972, 70.828

83, 27.134, 72.123

86, 18.664, 73.402

90, 10.569, 74.655

93, 2.830, 75.794

Harmonies

Complementary

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



65, 78.221, 62.476



53, 66.638, 282.953

Rectangle

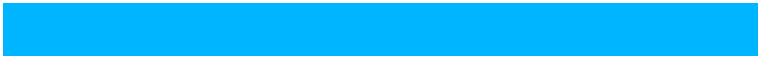
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 78.221, 62.476



65, 78.221, 112.476



65, 78.221, 242.476



65, 78.221, 292.476

Sweetspot

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



65, 78.219, 62.479



90, 23.403, 72.852



52, 79.925, 0.182



46, 16.319, 72.297



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, 78.219, 62.479



67, 85.263, 60.543



92, 91.086, 102.938



48, 4.327, 75.176



50, 66.354, 61.367



14, 23.419, 62.174

Inverse Universe

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



53, 66.638, 282.953



54, 75.035, 285.901



31, 124.510, 305.868



48, 4.237, 257.709



39, 57.442, 284.933



10, 21.725, 277.304

Previews

White Background



This preview shows how the CIELCh color 65, 78.221, 62.476 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, 78.221, 62.476 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, 78.221, 62.476

Background



This preview shows how black text looks on a background with the CIELCh color 65, 78.221, 62.476.



This preview shows how white text looks on a background with the CIELCh color 65, 78.221, 62.476.

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, 78.221, 62.476

Protanopia

65, 64.589, 95.489

Deuteranopia

65, 69.788, 83.291



Tritanopia
65, 51.143, 20.643

Trichromacy



Original Color
65, 78.221, 62.476

Protanomaly
65, 66.320, 81.749

Deuteranomaly
65, 71.612, 74.853

Tritanomaly
65, 58.898, 43.313

Monochromacy



Original Color
65, 78.221, 62.476

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 29.744, 71.068

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 78.221, 62.476 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(239, 129, 15)` looks like.

```
.text, #text, p{  
    color:rgb(239, 129, 15)  
}
```

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(239, 129, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 129, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 78.221, 62.476 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(239, 129, 15) }
```

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

```
.border{ border-color:rgb(239, 129, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 129, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 129, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 129, 15);  
box-shadow:4px 4px 4px 4px rgb(239, 129,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 78.221, 62.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 129, 15) }
```

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

```
.background{ background-color: rgb(239,  
129, 15) }
```

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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