

Converting Colors

CIELCh(66, 77.190, 65.459)

Have a look what the booklet for
CIELCh(66, 77.190, 65.459) contains.

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Color

CIELCh(66, 77.302, 65.365)

Conversions

Conversions Part 1

Format	Color
Hex	ED870D
RGB	237, 135, 13
RGB Percent	93%, 53%, 5%
CMY	0.0710, 0.4709, 0.9496
CMYK	0.00, 0.43, 0.95, 0.07
HSL	33°, 90%, 49%
HSV	33°, 95%, 93%
XYZ	43.6192, 35.3238, 4.8946
YIQ	151.5900, 99.9540, -16.3180

Conversions

Conversions Part 2

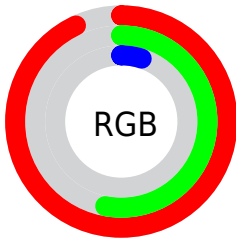
Format	Color
R _Y B	200, 237, 13
Decimal	15566605
CIE Lab	66.00, 32.22, 70.27
CIE LCh	66, 77.302, 65.365
Yxy	35.3238, 0.5203, 0.4213
Android (android.graphics.Color)	4293756685 (0xFFED870D)
YUV	151.5900, -68.3249, 74.9046
Hunter-Lab	59.4338, 26.9941, 36.7209

Details

The CIELCh color **66, 77.302, 65.365** 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 **50, 71.496, 286.585**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 64.553, 78.040**, and **46, 64.411, 59.374** is the 20% darker color. If you saturate the color by 10%, you get **65, 79.511, 63.785**, and if you desaturate by 10%, it is **68, 71.669, 67.877**.

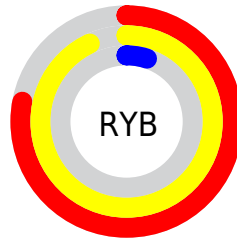
Distribution



Red (93%)

Green (53%)

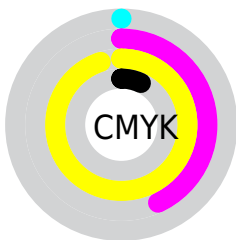
Blue (5%)



Red (78%)

Yellow (93%)

Blue (5%)

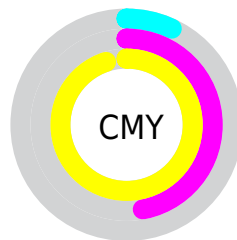


Cyan (0%)

Magenta (43%)

Yellow (95%)

Black (7%)



Cyan (7%)

Magenta (47%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 77.302, 65.365 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 66, 77.302, 65.365 by changing the saturation by 10% instead.

 66, 77.302, 65.365

 66, 77.302, 65.365

 100, 77.302,
65.365

 56, 77.302, 65.365

 86, 77.302, 65.365

 46, 77.302, 65.365

 96, 77.302, 65.365

 36, 77.302, 65.365

 26, 77.302, 65.365

 16, 77.302, 65.365

 6, 77.302, 65.365

 0, 77.302, 65.365

 66, 77.302, 65.365

 66, 77.302, 65.365

 65, 79.511, 63.785

 68, 71.669, 67.877

71, 63.936, 69.788

74, 55.158, 71.391

77, 46.046, 72.852

80, 36.981, 74.246

83, 28.144, 75.605

86, 19.611, 76.936

89, 11.401, 78.232

92, 3.505, 79.436

Harmonies

Complementary

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



66, 77.302, 65.365



50, 71.496, 286.585

Rectangle

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



66, 77.302, 65.365



66, 77.302, 115.365



66, 77.302, 245.365



66, 77.302, 295.365

Sweetspot

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



66, 77.300, 65.368



90, 23.886, 76.469



51, 79.094, 3.557



47, 16.632, 75.891



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 77.300, 65.368



69, 84.116, 63.625



90, 90.751, 104.927



48, 4.363, 78.872



50, 64.844, 64.470



14, 22.269, 65.775

Inverse Universe

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



50, 71.496, 286.585



52, 80.524, 289.061



31, 123.938, 306.027



47, 4.296, 261.435



37, 60.902, 288.098



8, 22.258, 280.363

Previews

White Background



This preview shows how the CIELCh color 66, 77.302, 65.365 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 66, 77.302, 65.365 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 66, 77.302, 65.365

Background



This preview shows how black text looks on a background with the CIELCh color 66, 77.302, 65.365.



This preview shows how white text looks on a background with the CIELCh color 66, 77.302, 65.365.

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

66, 77.302, 65.365

Protanopia

66, 65.803, 95.184

Deuteranopia

66, 70.646, 83.608



Tritanopia
66, 48.323, 19.253

Trichromacy



Original Color
66, 77.302, 65.365

Protanomaly
66, 67.405, 83.393

Deuteranomaly
66, 71.950, 76.342

Tritanomaly
66, 55.990, 45.467

Monochromacy



Original Color
66, 77.302, 65.365

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 30.167, 74.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 77.302, 65.365 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(237, 135, 13)` looks like.

```
.text, #text, p{  
    color:rgb(237, 135, 13)  
}
```

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(237, 135, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 135, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 77.302, 65.365 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(237, 135, 13) }
```

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

```
.border{ border-color:rgb(237, 135, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 135, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 135, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 135, 13);  
box-shadow:4px 4px 4px 4px rgb(237, 135,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 77.302, 65.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 135, 13) }
```

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

```
.background{ background-color: rgb(237,  
135, 13) }
```

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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