

Converting Colors

CIELCh(64, 67.649, 65.286)

Have a look what the booklet for
CIELCh(64, 67.649, 65.286) contains.

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Color

CIELCh(64, 67.677, 65.219)

Conversions

Conversions Part 1

Format	Color
Hex	E08526
RGB	224, 133, 38
RGB Percent	88%, 52%, 15%
CMY	0.1212, 0.4781, 0.8506
CMYK	0.00, 0.41, 0.83, 0.12
HSL	31°, 75%, 51%
HSV	31°, 83%, 88%
XYZ	39.5216, 32.8017, 6.0900
YIQ	149.3790, 84.7310, -10.2530

Conversions

Conversions Part 2

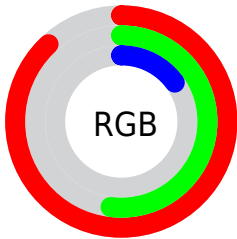
Format	Color
R _Y B	216, 224, 38
Decimal	14714150
CIE Lab	64.00, 28.37, 61.45
CIE LCh	64, 67.677, 65.219
Yxy	32.8017, 0.5040, 0.4183
Android (android.graphics.Color)	4292904230 (0xFFE08526)
YUV	149.3790, -54.9098, 65.4426
Hunter-Lab	57.2727, 22.9482, 33.7864

Details

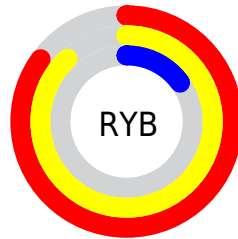
The CIELCh color **64, 67.677, 65.219** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **54, 56.204, 278.131**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 58.569, 74.960**, and **44, 60.657, 61.739** is the 20% darker color. If you saturate the color by 10%, you get **62, 73.949, 62.924**, and if you desaturate by 10%, it is **67, 59.696, 66.963**.

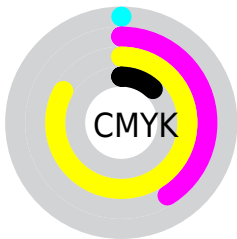
Distribution



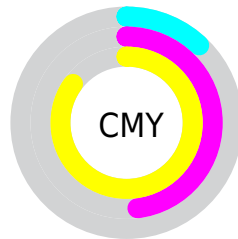
- Red (88%)
- Green (52%)
- Blue (15%)



- Red (85%)
- Yellow (88%)
- Blue (15%)



- Cyan (0%)
- Magenta (41%)
- Yellow (83%)
- Black (12%)



- Cyan (12%)
- Magenta (48%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 67.677, 65.219 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 64, 67.677, 65.219 by changing the saturation by 10% instead.

64, 67.677, 65.219

64, 67.677, 65.219

100, 67.677,
65.219

54, 67.677, 65.219

84, 67.677, 65.219

44, 67.677, 65.219

94, 67.677, 65.219

34, 67.677, 65.219

24, 67.677, 65.219

14, 67.677, 65.219

4, 67.677, 65.219

0, 67.677, 65.219

64, 67.677, 65.219

64, 67.677, 65.219

62, 73.949, 62.924

67, 59.696, 66.963

60, 77.172, 60.970

69, 50.991, 68.436

72, 42.158, 69.795

75, 33.495, 71.109

78, 25.133, 72.401

82, 17.120, 73.677

85, 9.459, 74.923

88, 2.130, 76.022

92, 4.894, 257.496

Harmonies

Complementary

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



64, 67.677, 65.219



54, 56.204, 278.131

Rectangle

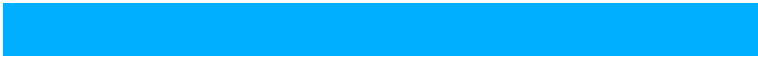
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 67.677, 65.219



64, 67.677, 115.219



64, 67.677, 245.219



64, 67.677, 295.219

Sweetspot

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



64, 67.675, 65.222



91, 20.768, 73.400



51, 73.554, 356.240



47, 14.285, 72.950



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 67.675, 65.222



67, 85.207, 60.676



87, 82.871, 103.247



45, 4.102, 75.351



48, 64.215, 61.626



11, 19.654, 61.444

Inverse Universe

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



54, 56.204, 278.131



54, 75.275, 286.049



32, 109.658, 304.466



45, 4.019, 257.870



37, 55.657, 284.934



8, 19.317, 275.773

Previews

White Background



This preview shows how the CIELCh color 64, 67.677, 65.219 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 64, 67.677, 65.219 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 64, 67.677, 65.219

Background



This preview shows how black text looks on a background with the CIELCh color 64, 67.677, 65.219.



This preview shows how white text looks on a background with the CIELCh color 64, 67.677, 65.219.

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

64, 67.677, 65.219

Protanopia

64, 57.733, 95.226

Deuteranopia

64, 63.062, 82.735



Tritanopia
64, 43.502, 18.039

Trichromacy



Original Color
64, 67.677, 65.219

Protanomaly
64, 58.990, 83.179

Deuteranomaly
64, 63.830, 76.233

Tritanomaly
64, 48.493, 42.325

Monochromacy



Original Color
64, 67.677, 65.219

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 24.031, 71.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 67.677, 65.219 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(224, 133, 38)` looks like.

```
.text, #text, p{  
    color:rgb(224, 133, 38)  
}
```

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(224, 133, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 133, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 67.677, 65.219 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(224, 133, 38) }
```

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

```
.border{ border-color:rgb(224, 133, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 133, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 133, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 133, 38);  
box-shadow:4px 4px 4px 4px rgb(224, 133,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 67.677, 65.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 133, 38) }
```

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

```
.background{ background-color: rgb(224,  
133, 38) }
```

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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