

Converting Colors

CIELCh(63, 67.487, 68.520)

Have a look what the booklet for
CIELCh(63, 67.487, 68.520) contains.

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Color

CIELCh(63, 67.480, 68.438)

Conversions

Conversions Part 1

Format	Color
Hex	D8851E
RGB	216, 133, 30
RGB Percent	85%, 52%, 12%
CMY	0.1517, 0.4774, 0.8811
CMYK	0.00, 0.38, 0.86, 0.15
HSL	33°, 75%, 48%
HSV	33°, 86%, 85%
XYZ	37.0712, 31.5869, 5.3930
YIQ	146.0750, 82.5310, -14.4370

Conversions

Conversions Part 2

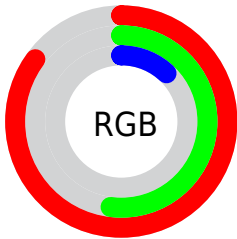
Format	Color
RYB	180, 216, 30
Decimal	14189854
CIELab	63.00, 24.80, 62.76
CIELCh	63, 67.480, 68.438
Yxy	31.5869, 0.5006, 0.4266
Android (android.graphics.Color)	4292379934 (0xFFD8851E)
YUV	146.0750, -57.2250, 61.3242
Hunter-Lab	56.2022, 19.3854, 33.6523

Details

The CIELCh color **63, 67.480, 68.438** 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 **48, 61.081, 283.434**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 60.941, 75.394**, and **43, 57.887, 64.135** is the 20% darker color. If you saturate the color by 10%, you get **61, 72.377, 65.871**, and if you desaturate by 10%, it is **65, 60.528, 70.399**.

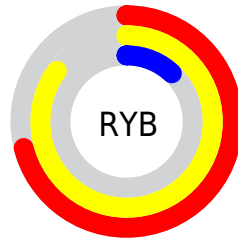
Distribution



Red (85%)

Green (52%)

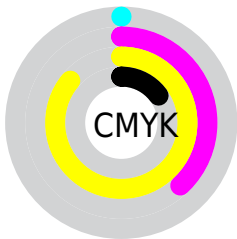
Blue (12%)



Red (71%)

Yellow (85%)

Blue (12%)

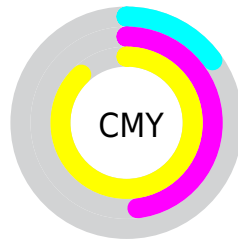


Cyan (0%)

Magenta (38%)

Yellow (86%)

Black (15%)



Cyan (15%)

Magenta (48%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 67.480, 68.438 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 63, 67.480, 68.438 by changing the saturation by 10% instead.

63, 67.480, 68.438

63, 67.480, 68.438

100, 67.480,
68.438

53, 67.480, 68.438

83, 67.480, 68.438

43, 67.480, 68.438

93, 67.480, 68.438

33, 67.480, 68.438

23, 67.480, 68.438

13, 67.480, 68.438

3, 67.480, 68.438

0, 67.480, 68.438

63, 67.480, 68.438

63, 67.480, 68.438

61, 72.377, 65.871

65, 60.528, 70.399

60, 73.987, 64.763

68, 52.496, 72.032

70, 44.075, 73.511

73, 35.647, 74.917

76, 27.400, 76.284

79, 19.414, 77.620

82, 11.714, 78.922

85, 4.298, 80.152

88, 2.852, 261.598

Harmonies

Complementary

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



63, 67.480, 68.438



48, 61.081, 283.434

Rectangle

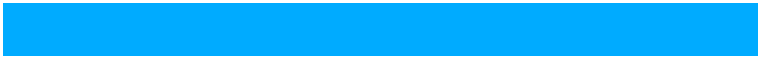
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



63, 67.480, 68.438



63, 67.480, 118.438



63, 67.480, 248.438



63, 67.480, 298.438

Sweetspot

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



63, 67.478, 68.441



91, 22.215, 77.585



48, 71.640, 1.327



47, 15.160, 77.121



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 67.478, 68.441



70, 83.880, 64.393



83, 82.060, 105.941



44, 4.075, 79.746



48, 61.926, 65.400



10, 17.162, 65.677

Inverse Universe

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



48, 61.081, 283.434



51, 81.873, 289.767



30, 109.144, 305.242



43, 4.018, 262.288



34, 59.045, 288.622



6, 18.525, 277.494

Previews

White Background



This preview shows how the CIELCh color 63, 67.480, 68.438 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 63, 67.480, 68.438 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 63, 67.480, 68.438

Background



This preview shows how black text looks on a background with the CIELCh color 63, 67.480, 68.438.



This preview shows how white text looks on a background with the CIELCh color 63, 67.480, 68.438.

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

63, 67.480, 68.438

Protanopia

63, 59.347, 95.145

Deuteranopia

63, 64.158, 82.769



Tritanopia
63, 40.231, 17.098

Trichromacy



Original Color
63, 67.480, 68.438

Protanomaly
63, 60.390, 84.690

Deuteranomaly
63, 64.697, 77.612

Tritanomaly
63, 45.769, 44.625

Monochromacy



Original Color
63, 67.480, 68.438

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 24.996, 74.973

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 67.480, 68.438 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(216, 133, 30)` looks like.

```
.text, #text, p{  
    color:rgb(216, 133, 30)  
}
```

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(216, 133, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 133, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 67.480, 68.438 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(216, 133, 30) }
```

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

```
.border{ border-color:rgb(216, 133, 30) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 133, 30)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 133, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 133, 30);  
box-shadow:4px 4px 4px 4px rgb(216, 133,  
30) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 67.480, 68.438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 133, 30) }
```

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

```
.background{ background-color: rgb(216,  
133, 30) }
```

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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