

Converting Colors

CIELCh(66, 66.840, 64.862)

Have a look what the booklet for
CIELCh(66, 66.840, 64.862) contains.

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Color

CIELCh(66, 66.867, 64.810)

Conversions

Conversions Part 1

Format	Color
Hex	E68A2E
RGB	230, 138, 46
RGB Percent	90%, 54%, 18%
CMY	0.0968, 0.4578, 0.8185
CMYK	0.00, 0.40, 0.80, 0.10
HSL	30°, 79%, 54%
HSV	30°, 80%, 90%
XYZ	42.3551, 35.3238, 7.1987
YIQ	155.0200, 84.3640, -9.1080

Conversions

Conversions Part 2

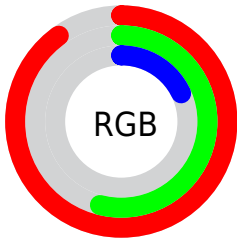
Format	Color
R _Y B	230, 230, 46
Decimal	15108654
CIE Lab	66.00, 28.46, 60.51
CIE LCh	66, 66.867, 64.810
Yxy	35.3238, 0.4990, 0.4162
Android (android.graphics.Color)	4293298734 (0xFFE68A2E)
YUV	155.0200, -53.7469, 65.7575
Hunter-Lab	59.4338, 23.1975, 34.4224

Details

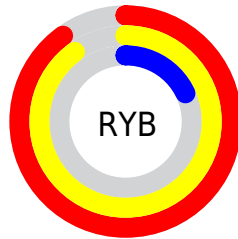
The CIELCh color **66, 66.867, 64.810** is a dark color, and the websafe version is hex **FF9933**. The color can be described as middle washed orange. A complement of this color would be **57, 54.342, 275.711**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 56.260, 76.599**, and **46, 61.852, 62.369** is the 20% darker color. If you saturate the color by 10%, you get **63, 74.054, 62.751**, and if you desaturate by 10%, it is **69, 58.298, 66.414**.

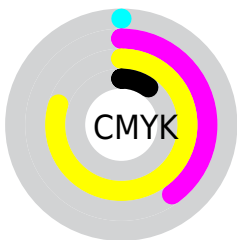
Distribution



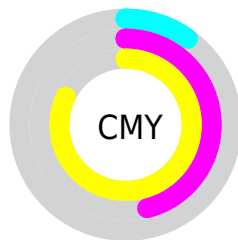
- Red (90%)
- Green (54%)
- Blue (18%)



- Red (90%)
- Yellow (90%)
- Blue (18%)



- Cyan (0%)
- Magenta (40%)
- Yellow (80%)
- Black (10%)



- Cyan (10%)
- Magenta (46%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 66.867, 64.810 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, 66.867, 64.810 by changing the saturation by 10% instead.

66, 66.867, 64.810

66, 66.867, 64.810

100, 66.867,
64.810

56, 66.867, 64.810

86, 66.867, 64.810

46, 66.867, 64.810

96, 66.867, 64.810

36, 66.867, 64.810

26, 66.867, 64.810

16, 66.867, 64.810

6, 66.867, 64.810

0, 66.867, 64.810

66, 66.867, 64.810

66, 66.867, 64.810

63, 74.054, 62.751

69, 58.298, 66.414

61, 79.115, 60.026

72, 49.249, 67.809

61, 79.161, 60.002

75, 40.216, 69.120

78, 31.435, 70.402

81, 23.004, 71.669

85, 14.951, 72.921

88, 7.266, 74.138

91, 0.075, 260.887

95, 7.102, 256.667

Harmonies

Complementary

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



66, 66.867, 64.810



57, 54.342, 275.711

Rectangle

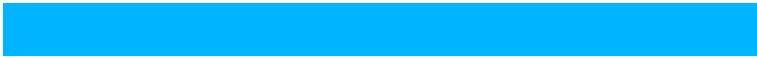
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



66, 66.867, 64.810



66, 66.867, 114.810



66, 66.867, 244.810



66, 66.867, 294.810

Sweetspot

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



66, 66.865, 64.813



91, 19.775, 72.395



53, 74.351, 354.075



47, 13.702, 71.945



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, 66.865, 64.813



68, 83.698, 60.944



88, 81.986, 102.470



46, 4.149, 74.192



48, 65.195, 60.683



12, 20.922, 60.597

Inverse Universe

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



57, 54.342, 275.711



56, 70.643, 283.216



35, 107.046, 303.543



46, 4.058, 256.699



39, 55.110, 283.935



9, 19.776, 275.253

Previews

White Background



This preview shows how the CIELCh color 66, 66.867, 64.810 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, 66.867, 64.810 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, 66.867, 64.810

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.867, 64.810.



This preview shows how white text looks on a background with the CIELCh color 66, 66.867, 64.810.

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, 66.867, 64.810

Protanopia

66, 56.669, 95.393

Deuteranopia

66, 61.872, 82.357



Tritanopia
66, 43.582, 17.252

Trichromacy



Original Color
66, 66.867, 64.810

Protanomaly
66, 57.892, 83.229

Deuteranomaly
66, 62.838, 75.838

Tritanomaly
66, 47.920, 41.072

Monochromacy



Original Color
66, 66.867, 64.810

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 23.819, 71.643

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.867, 64.810 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(230, 138, 46)` looks like.

```
.text, #text, p{  
    color:rgb(230, 138, 46)  
}
```

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(230, 138, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 138, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.867, 64.810 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(230, 138, 46) }
```

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

```
.border{ border-color:rgb(230, 138, 46) }
```

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

Here you see how a box with a 4 pixel rgb(230, 138, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 138, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 138, 46);  
box-shadow:4px 4px 4px 4px rgb(230, 138,  
46) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.867, 64.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 138, 46) }
```

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

```
.background{ background-color: rgb(230,  
138, 46) }
```

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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