

Converting Colors

CIELCh(68, 80.319, 62.324)

Have a look what the booklet for
CIELCh(68, 80.319, 62.324) contains.

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Color

CIELCh(68, 80.225, 62.497)

Conversions

Conversions Part 1

Format	Color
Hex	FA8814
RGB	250, 136, 20
RGB Percent	98%, 53%, 8%
CMY	0.0197, 0.4667, 0.9217
CMYK	0.00, 0.46, 0.92, 0.02
HSL	30°, 96%, 53%
HSV	30°, 92%, 98%
XYZ	48.3423, 37.9720, 5.4416
YIQ	156.8620, 105.1800, -11.9080

Conversions

Conversions Part 2

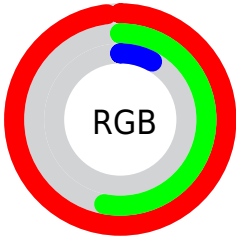
Format	Color
R _Y B	246, 250, 20
Decimal	16418836
CIE Lab	68.00, 37.05, 71.16
CIE LCh	68, 80.225, 62.497
Yxy	37.9720, 0.5269, 0.4138
Android (android.graphics.Color)	4294608916 (0xFFFA8814)
YUV	156.8620, -67.4730, 81.6820
Hunter-Lab	61.6215, 32.1965, 37.8993

Details

The CIELCh color **68, 80.225, 62.497** 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 **56, 67.207, 281.777**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 63.091, 78.049**, and **48, 68.750, 56.764** is the 20% darker color. If you saturate the color by 10%, you get **66, 84.136, 60.192**, and if you desaturate by 10%, it is **71, 73.168, 64.759**.

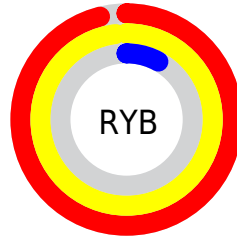
Distribution



Red (98%)

Green (53%)

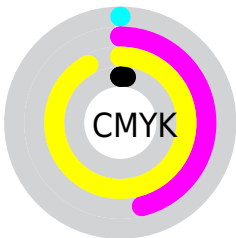
Blue (8%)



Red (96%)

Yellow (98%)

Blue (8%)

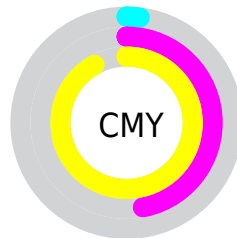


Cyan (0%)

Magenta (46%)

Yellow (92%)

Black (2%)



Cyan (2%)

Magenta (47%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 80.225, 62.497 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 68, 80.225, 62.497 by changing the saturation by 10% instead.

68, 80.225, 62.497

68, 80.225, 62.497

100, 80.225,
62.497

58, 80.225, 62.497

88, 80.225, 62.497

48, 80.225, 62.497

98, 80.225, 62.497

38, 80.225, 62.497

28, 80.225, 62.497

18, 80.225, 62.497

8, 80.225, 62.497

0, 80.225, 62.497

68, 80.225, 62.497

68, 80.225, 62.497

66, 84.136, 60.192

71, 73.168, 64.759

74, 64.316, 66.469

77, 54.739, 67.920

80, 45.068, 69.265

83, 35.614, 70.569

87, 26.511, 71.855

90, 17.804, 73.126

94, 9.490, 74.367

98, 1.546, 75.373

Harmonies

Complementary

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



68, 80.225, 62.497



56, 67.207, 281.777

Rectangle

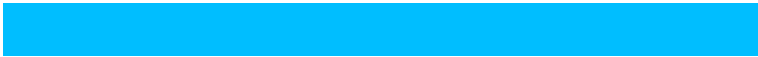
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 80.225, 62.497



68, 80.225, 112.497



68, 80.225, 242.497



68, 80.225, 292.497

Sweetspot

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



68, 80.223, 62.500



90, 23.346, 72.363



55, 82.485, 359.572



46, 16.283, 71.812



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 80.223, 62.500



67, 85.434, 60.149



95, 93.869, 102.966



50, 4.464, 74.669



51, 67.873, 60.896



15, 25.830, 62.100

Inverse Universe

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



56, 67.207, 281.777



54, 74.325, 285.454



33, 127.902, 305.733



50, 4.368, 257.205



41, 58.188, 284.573



11, 23.136, 277.702

Previews

White Background



This preview shows how the CIELCh color 68, 80.225, 62.497 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 68, 80.225, 62.497 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 68, 80.225, 62.497

Background



This preview shows how black text looks on a background with the CIELCh color 68, 80.225, 62.497.



This preview shows how white text looks on a background with the CIELCh color 68, 80.225, 62.497.

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

68, 80.225, 62.497

Protanopia

68, 66.442, 95.437

Deuteranopia

68, 72.421, 83.439



Tritanopia
68, 52.336, 20.682

Trichromacy



Original Color
68, 80.225, 62.497

Protanomaly
68, 68.092, 81.803

Deuteranomaly
68, 74.198, 75.010

Tritanomaly
68, 60.184, 43.199

Monochromacy



Original Color
68, 80.225, 62.497

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 30.004, 69.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 80.225, 62.497 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(250, 136, 20)` looks like.

```
.text, #text, p{  
    color:rgb(250, 136, 20)  
}
```

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(250, 136, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 136, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 80.225, 62.497 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(250, 136, 20) }
```

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

```
.border{ border-color:rgb(250, 136, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 136, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 136, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 136, 20);  
box-shadow:4px 4px 4px 4px rgb(250, 136,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 80.225, 62.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 136, 20) }
```

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

```
.background{ background-color: rgb(250,  
136, 20) }
```

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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