

Converting Colors

CIELCh(70, 80.362, 64.656)

Have a look what the booklet for
CIELCh(70, 80.362, 64.656) contains.

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Color

CIELCh(70, 80.259, 64.791)

Conversions

Conversions Part 1

Format	Color
Hex	FD9015
RGB	253, 144, 21
RGB Percent	99%, 56%, 8%
CMY	0.0090, 0.4362, 0.9193
CMYK	0.00, 0.43, 0.92, 0.01
HSL	32°, 98%, 54%
HSV	32°, 92%, 99%
XYZ	50.4646, 40.7494, 5.8950
YIQ	162.5690, 104.4470, -15.1450

Conversions

Conversions Part 2

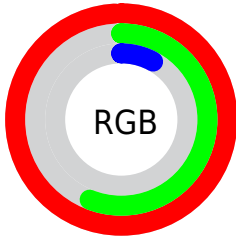
Format	Color
R _Y B	227, 253, 21
Decimal	16617493
CIE Lab	70.00, 34.18, 72.62
CIE LCh	70, 80.259, 64.791
Yxy	40.7494, 0.5197, 0.4196
Android (android.graphics.Color)	4294807573 (0xFFFD9015)
YUV	162.5690, -69.7935, 79.3080
Hunter-Lab	63.8353, 29.4005, 39.2095

Details

The CIELCh color **70, 80.259, 64.791** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle washed orange. A complement of this color would be **55, 71.153, 284.255**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 64.158, 82.434**, and **50, 68.461, 59.451** is the 20% darker color. If you saturate the color by 10%, you get **68, 83.953, 62.399**, and if you desaturate by 10%, it is **73, 73.484, 67.113**.

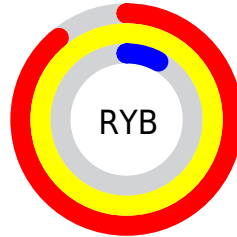
Distribution



Red (99%)

Green (56%)

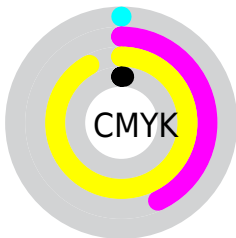
Blue (8%)



Red (89%)

Yellow (99%)

Blue (8%)

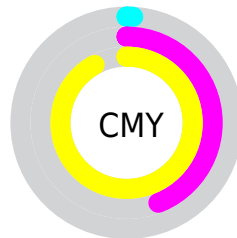


Cyan (0%)

Magenta (43%)

Yellow (92%)

Black (1%)



Cyan (1%)

Magenta (44%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 80.259, 64.791 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 70, 80.259, 64.791 by changing the saturation by 10% instead.

70, 80.259, 64.791

70, 80.259, 64.791

100, 80.259,
64.791

60, 80.259, 64.791

90, 80.259, 64.791

50, 80.259, 64.791

40, 80.259, 64.791

30, 80.259, 64.791

20, 80.259, 64.791

10, 80.259, 64.791

0, 80.259, 64.791

70, 80.259, 64.791

70, 80.259, 64.791

68, 83.953, 62.399

73, 73.484, 67.113

76, 64.824, 68.901

78, 55.340, 70.430

82, 45.679, 71.844

85, 36.170, 73.208

88, 26.962, 74.543

92, 18.108, 75.855

95, 9.614, 77.129

99, 1.465, 78.156

Harmonies

Complementary

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



70, 80.259, 64.791



55, 71.153, 284.255

Rectangle

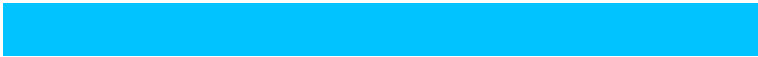
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 80.259, 64.791



70, 80.259, 114.791



70, 80.259, 244.791



70, 80.259, 294.791

Sweetspot

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



70, 80.257, 64.794



90, 23.682, 75.050



55, 82.855, 1.016



47, 16.500, 74.480



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 80.257, 64.794



69, 84.540, 62.380



96, 94.635, 103.952



51, 4.623, 77.418



52, 67.895, 63.080



17, 27.033, 64.905

Inverse Universe

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



55, 71.153, 284.255



52, 78.321, 287.851



34, 128.782, 305.782



50, 4.541, 259.992



40, 61.962, 287.048



11, 25.083, 280.742

Previews

White Background



This preview shows how the CIELCh color 70, 80.259, 64.791 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 70, 80.259, 64.791 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 70, 80.259, 64.791

Background



This preview shows how black text looks on a background with the CIELCh color 70, 80.259, 64.791.



This preview shows how white text looks on a background with the CIELCh color 70, 80.259, 64.791.

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

70, 80.259, 64.791

Protanopia

70, 68.229, 95.270

Deuteranopia

70, 74.185, 83.279



Tritanopia
70, 48.893, 18.526

Trichromacy



Original Color
70, 80.259, 64.791

Protanomaly
70, 69.782, 82.854

Deuteranomaly
70, 75.541, 76.105

Tritanomaly
70, 56.899, 44.324

Monochromacy



Original Color
70, 80.259, 64.791

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 30.109, 72.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 80.259, 64.791 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(253, 144, 21)` looks like.

```
.text, #text, p{  
    color:rgb(253, 144, 21)  
}
```

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(253, 144, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 144, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 80.259, 64.791 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(253, 144, 21) }
```

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

```
.border{ border-color:rgb(253, 144, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 144, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 144, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 144, 21);  
box-shadow:4px 4px 4px 4px rgb(253, 144,  
21) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 80.259, 64.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 144, 21) }
```

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

```
.background{ background-color: rgb(253,  
144, 21) }
```

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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