

Converting Colors

CIELCh(70, 81.238, 67.430)

Have a look what the booklet for
CIELCh(70, 81.238, 67.430) contains.

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Color

CIELCh(70, 81.296, 67.316)

Conversions

Conversions Part 1

Format	Color
Hex	F99203
RGB	249, 146, 3
RGB Percent	98%, 57%, 1%
CMY	0.0231, 0.4271, 0.9874
CMYK	0.00, 0.41, 0.99, 0.02
HSL	35°, 97%, 49%
HSV	35°, 99%, 98%
XYZ	49.4129, 40.7494, 5.3533
YIQ	160.4950, 107.2910, -22.6370

Conversions

Conversions Part 2

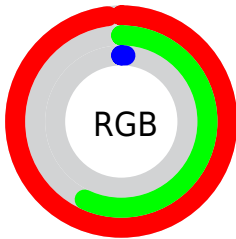
Format	Color
R _Y B	180, 249, 3
Decimal	16355843
CIE Lab	70.00, 31.35, 75.01
CIE LCh	70, 81.296, 67.316
Yxy	40.7494, 0.5173, 0.4266
Android (android.graphics.Color)	4294545923 (0xFFFF99203)
YUV	160.4950, -77.6450, 77.6189
Hunter-Lab	63.8353, 26.4596, 39.7126

Details

The CIELCh color **70, 81.296, 67.316** is a dark color, and the websafe version is hex **FF9900**. The color can be described as middle saturated orange. A complement of this color would be **49, 83.418, 291.335**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.733, 83.442**, and **50, 66.968, 61.466** is the 20% darker color. If you saturate the color by 10%, you get **70, 81.770, 66.948**, and if you desaturate by 10%, it is **72, 77.069, 70.118**.

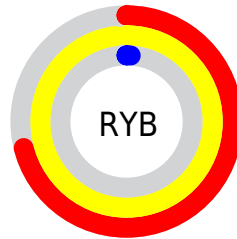
Distribution



Red (98%)

Green (57%)

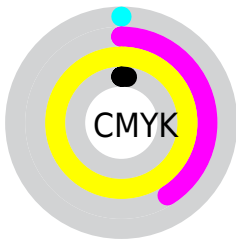
Blue (1%)



Red (71%)

Yellow (98%)

Blue (1%)

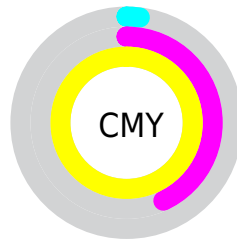


Cyan (0%)

Magenta (41%)

Yellow (99%)

Black (2%)



Cyan (2%)

Magenta (43%)

Yellow (99%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 81.296, 67.316 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, 81.296, 67.316 by changing the saturation by 10% instead.

 70, 81.296, 67.316

 70, 81.296, 67.316

 100, 81.296,
67.316

 60, 81.296, 67.316

 90, 81.296, 67.316

 50, 81.296, 67.316

 40, 81.296, 67.316

 30, 81.296, 67.316

 20, 81.296, 67.316

 10, 81.296, 67.316

 0, 81.296, 67.316

 70, 81.296, 67.316

 70, 81.296, 67.316

 70, 81.770, 66.948

 72, 77.069, 70.118

75, 70.272, 72.279

77, 61.797, 74.044

80, 52.563, 75.611

83, 43.126, 77.080

86, 33.773, 78.496

89, 24.643, 79.873

92, 15.788, 81.214

95, 7.221, 82.499

Harmonies

Complementary

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



70, 81.296, 67.316



49, 83.418, 291.335

Rectangle

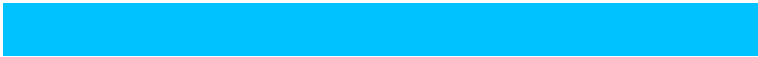
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 81.296, 67.316



70, 81.296, 117.316



70, 81.296, 247.316



70, 81.296, 297.316

Sweetspot

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



70, 81.294, 67.318



90, 26.305, 79.692



53, 82.802, 8.821



47, 18.072, 79.113



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, 81.294, 67.318



71, 83.244, 66.900



94, 95.299, 107.001



51, 4.734, 82.400



54, 66.268, 67.598



17, 26.084, 69.922

Inverse Universe

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



49, 83.418, 291.335



49, 86.230, 291.889



32, 130.564, 306.364



49, 4.684, 264.985



36, 67.440, 291.108



9, 26.508, 284.905

Previews

White Background



This preview shows how the CIELCh color 70, 81.296, 67.316 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, 81.296, 67.316 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, 81.296, 67.316

Background



This preview shows how black text looks on a background with the CIELCh color 70, 81.296, 67.316.



This preview shows how white text looks on a background with the CIELCh color 70, 81.296, 67.316.

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, 81.296, 67.316

Protanopia

70, 70.317, 95.291

Tritanopia

70, 48.039, 18.291

Trichromacy



Original Color
70, 81.296, 67.316

Protanomaly
70, 71.916, 84.369

Tritanomaly
70, 57.690, 48.084

Monochromacy



Original Color
70, 81.296, 67.316

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 33.097, 77.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 81.296, 67.316 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(249, 146, 3)` looks like.

```
.text, #text, p{  
    color:rgb(249, 146, 3)  
}
```

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(249, 146, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 146, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 81.296, 67.316 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(249, 146, 3) }
```

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

```
.border{ border-color:rgb(249, 146, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 146, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 146, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 146, 3);  
box-shadow:4px 4px 4px 4px rgb(249, 146,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 81.296, 67.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 146, 3) }
```

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

```
.background{ background-color: rgb(249,  
146, 3) }
```

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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