

Converting Colors

CIELCh(69, 82.203, 65.908)

Have a look what the booklet for
CIELCh(69, 82.203, 65.908) contains.

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Color

CIELCh(69, 81.966, 65.961)

Conversions

Conversions Part 1

Format	Color
Hex	F98E00
RGB	249, 142, 0
RGB Percent	98%, 56%, 0%
CMY	0.0248, 0.4442, 1.0000
CMYK	0.00, 0.43, 1.00, 0.02
HSL	34°, 100%, 49%
HSV	34°, 100%, 98%
XYZ	48.5797, 39.3444, 5.0157
YIQ	157.8050, 109.3540, -21.4780

Conversions

Conversions Part 2

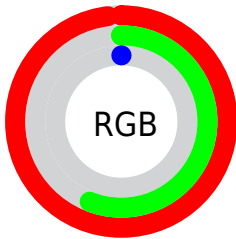
Format	Color
RYB	188, 249, 0
Decimal	16354816
CIELab	69.00, 33.39, 74.86
CIELCh	69, 81.966, 65.961
Yxy	39.3444, 0.5227, 0.4233
Android (android.graphics.Color)	4294544896 (0xFFFF98E00)
YUV	157.8050, -77.7979, 79.9780
Hunter-Lab	62.7251, 28.4769, 39.1665

Details

The CIELCh color **69, 81.966, 65.961** is a dark color, and the websafe version is hex **FF9900**. The color can be described as dark saturated orange. A complement of this color would be **49, 82.764, 291.004**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 66.795, 81.742**, and **49, 67.209, 59.926** is the 20% darker color. If you saturate the color by 10%, you get **69, 81.890, 65.936**, and if you desaturate by 10%, it is **71, 77.733, 68.798**.

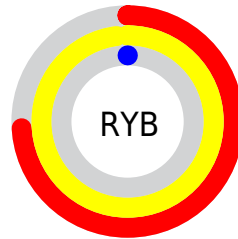
Distribution



Red (98%)

Green (56%)

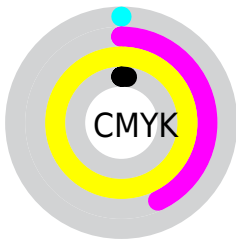
Blue (0%)



Red (74%)

Yellow (98%)

Blue (0%)

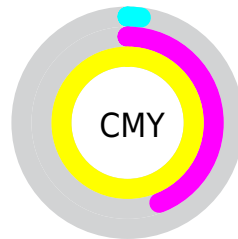


Cyan (0%)

Magenta (43%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 81.966, 65.961 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 69, 81.966, 65.961 by changing the saturation by 10% instead.

 69, 81.966, 65.961  69, 81.966, 65.961

 100, 81.966,
65.961  59, 81.966, 65.961

 89, 81.966, 65.961  49, 81.966, 65.961

 99, 81.966, 65.961  39, 81.966, 65.961

 29, 81.966, 65.961

 19, 81.966, 65.961

 9, 81.966, 65.961

 0, 81.966, 65.961

 69, 81.966, 65.961  69, 81.966, 65.961

 69, 81.890, 65.936  71, 77.733, 68.798

74, 71.105, 71.031

77, 62.701, 72.823

79, 53.485, 74.395

82, 44.047, 75.862

85, 34.698, 77.274

88, 25.580, 78.649

91, 16.751, 79.989

95, 8.225, 81.279

Harmonies

Complementary

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



69, 81.966, 65.961



49, 82.764, 291.004

Rectangle

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



69, 81.966, 65.961



69, 81.966, 115.961



69, 81.966, 245.961



69, 81.966, 295.961

Sweetspot

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



69, 81.890, 65.936



90, 26.108, 78.643



53, 82.948, 9.447



47, 17.944, 78.067



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 81.890, 65.936



71, 83.477, 65.884



94, 95.410, 107.028



51, 4.690, 81.342



53, 66.434, 66.593



16, 26.016, 68.797

Inverse Universe

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



49, 82.764, 291.004



50, 84.474, 291.061



32, 130.978, 306.433



49, 4.633, 263.928



37, 66.071, 290.266



10, 26.000, 283.964

Previews

White Background



This preview shows how the CIELCh color 69, 81.966, 65.961 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 69, 81.966, 65.961 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 69, 81.966, 65.961

Background



This preview shows how black text looks on a background with the CIELCh color 69, 81.966, 65.961.



This preview shows how white text looks on a background with the CIELCh color 69, 81.966, 65.961.

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

69, 81.966, 65.961

Protanopia

69, 69.155, 95.162

Deuteranopia

69, 73.163, 83.307



Tritanopia
69, 49.940, 19.447

Trichromacy



Original Color
69, 81.966, 65.961

Protanomaly
69, 71.070, 83.278

Deuteranomaly
69, 75.368, 76.220

Tritanomaly
69, 59.654, 47.481

Monochromacy



Original Color
69, 81.966, 65.961

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 33.271, 76.066

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 81.966, 65.961 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, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(249, 142, 0)  
}
```

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, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 142, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 81.966, 65.961 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, 142, 0) }
```

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

```
.border{ border-color:rgb(249, 142, 0) }
```

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

Here you see how a box with a 4 pixel rgb(249, 142, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(249, 142,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 81.966, 65.961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 142, 0) }
```

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

```
.background{ background-color: rgb(249,  
142, 0) }
```

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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