

Converting Colors

CIELCh(72, 58.643, 65.079)

Have a look what the booklet for
CIELCh(72, 58.643, 65.079) contains.

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Color

CIELCh(72, 58.667, 65.001)

Conversions

Conversions Part 1

Format	Color
Hex	F29D4E
RGB	242, 157, 78
RGB Percent	95%, 62%, 31%
CMY	0.0500, 0.3835, 0.6933
CMYK	0.00, 0.35, 0.68, 0.05
HSL	29°, 87%, 63%
HSV	29°, 68%, 95%
XYZ	50.1771, 43.6590, 13.0282
YIQ	173.4090, 76.0190, -6.5490

Conversions

Conversions Part 2

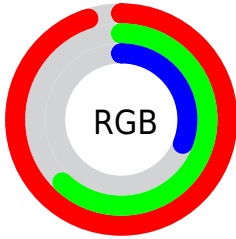
Format	Color
R _Y B	242, 230, 78
Decimal	15899982
CIE Lab	72.00, 24.79, 53.17
CIE LCh	72, 58.667, 65.001
Yxy	43.6590, 0.4695, 0.4085
Android (android.graphics.Color)	4294090062 (0xFFFF29D4E)
YUV	173.4090, -47.0366, 60.1543
Hunter-Lab	66.0750, 19.9209, 34.5621

Details

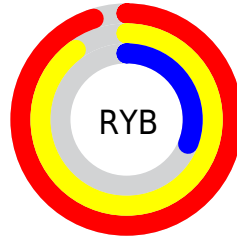
The CIELCh color **72, 58.667, 65.001** is a light color, and the websafe version is hex **FF9966**. The color can be described as light washed orange. A complement of this color would be **65, 47.051, 268.824**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **87, 46.262, 83.669**, and **52, 58.584, 64.841** is the 20% darker color. If you saturate the color by 10%, you get **69, 67.916, 63.530**, and if you desaturate by 10%, it is **75, 49.108, 66.311**.

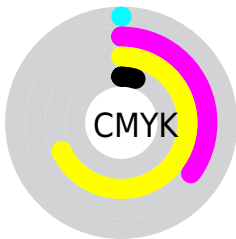
Distribution



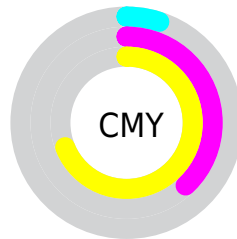
- Red (95%)
- Green (62%)
- Blue (31%)



- Red (95%)
- Yellow (90%)
- Blue (31%)



- Cyan (0%)
- Magenta (35%)
- Yellow (68%)
- Black (5%)



- Cyan (5%)
- Magenta (38%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 58.667, 65.001 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 72, 58.667, 65.001 by changing the saturation by 10% instead.

72, 58.667, 65.001

72, 58.667, 65.001

100, 58.667,
65.001

62, 58.667, 65.001

92, 58.667, 65.001

52, 58.667, 65.001

42, 58.667, 65.001

32, 58.667, 65.001

22, 58.667, 65.001

12, 58.667, 65.001

2, 58.667, 65.001

0, 58.667, 65.001

72, 58.667, 65.001

72, 58.667, 65.001

69, 67.916, 63.530

75, 49.108, 66.311

66, 76.010, 61.655

78, 39.684, 67.560

64, 81.803, 59.028

82, 30.594, 68.792

63, 82.969, 58.411

85, 21.913, 70.019

89, 13.654, 71.235

93, 5.798, 72.408

96, 1.686, 253.943

99, 4.399, 199.277

Harmonies

Complementary

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



72, 58.667, 65.001



65, 47.051, 268.824

Rectangle

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



72, 58.667, 65.001



72, 58.667, 115.001



72, 58.667, 245.001



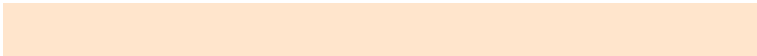
72, 58.667, 295.001

Sweetspot

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



72, 58.666, 65.005



92, 16.164, 70.952



59, 70.741, 350.057



48, 11.107, 70.610



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 58.666, 65.005



71, 73.755, 62.935



92, 75.440, 102.348



48, 4.252, 72.210



49, 67.120, 59.127



13, 23.427, 59.289

Inverse Universe

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



65, 47.051, 268.824



63, 57.912, 274.384



45, 92.789, 300.405



48, 4.147, 254.691



41, 54.359, 282.187



10, 20.700, 274.315

Previews

White Background



This preview shows how the CIELCh color 72, 58.667, 65.001 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 72, 58.667, 65.001 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 72, 58.667, 65.001

Background



This preview shows how black text looks on a background with the CIELCh color 72, 58.667, 65.001.

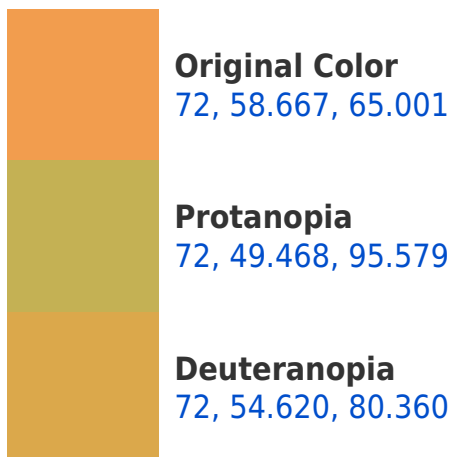


This preview shows how white text looks on a background with the CIELCh color 72, 58.667, 65.001.

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





Tritanopia
72, 39.815, 15.044

Trichromacy



Original Color
72, 58.667, 65.001

Protanomaly
72, 50.724, 83.232

Deuteranomaly
72, 55.501, 74.611

Tritanomaly
72, 42.054, 38.199

Monochromacy



Original Color
72, 58.667, 65.001

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 20.443, 69.939

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 58.667, 65.001 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(242, 157, 78)` looks like.

```
.text, #text, p{  
    color:rgb(242, 157, 78)  
}
```

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(242, 157, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 157, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 58.667, 65.001 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(242, 157, 78) }
```

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

```
.border{ border-color:rgb(242, 157, 78) }
```

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

Here you see how a box with a 4 pixel rgb(242, 157, 78) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 157, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 157, 78);  
box-shadow:4px 4px 4px 4px rgb(242, 157,  
78) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 58.667, 65.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 157, 78) }
```

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

```
.background{ background-color: rgb(242,  
157, 78) }
```

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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