

Converting Colors

CIELCh(70, 64.819, 59.475)

Have a look what the booklet for
CIELCh(70, 64.819, 59.475) contains.

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Color

CIELCh(70, 64.898, 59.443)

Conversions

Conversions Part 1

Format	Color
Hex	F89144
RGB	248, 145, 68
RGB Percent	97%, 57%, 27%
CMY	0.0264, 0.4304, 0.7324
CMYK	0.00, 0.42, 0.73, 0.03
HSL	26°, 93%, 62%
HSV	26°, 73%, 97%
XYZ	50.0209, 40.7494, 10.7338
YIQ	167.0190, 86.1050, -2.1110

Conversions

Conversions Part 2

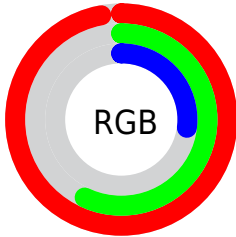
Format	Color
R_{YB}	248, 203, 68
Decimal	16290116
CIE _{Lab}	70.00, 32.99, 55.89
CIE _{LCh}	70, 64.898, 59.443
Yxy	40.7494, 0.4928, 0.4015
Android (android.graphics.Color)	4294480196 (0xFFFF89144)
YUV	167.0190, -48.8164, 71.0203
Hunter-Lab	63.8353, 28.1597, 34.7152

Details

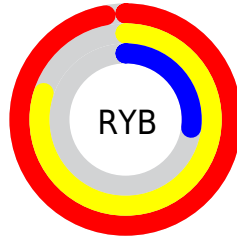
The CIELCh color **70, 64.898, 59.443** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **67, 47.067, 264.086**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **84, 48.297, 77.516**, and **50, 65.039, 59.309** is the 20% darker color. If you saturate the color by 10%, you get **67, 74.497, 58.119**, and if you desaturate by 10%, it is **73, 54.800, 60.537**.

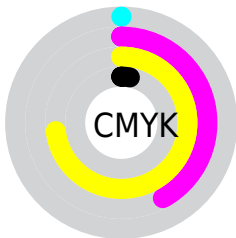
Distribution



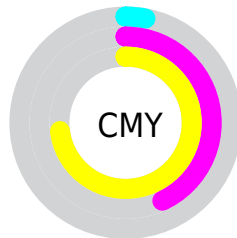
- Red (97%)
- Green (57%)
- Blue (27%)



- Red (97%)
- Yellow (80%)
- Blue (27%)



- Cyan (0%)
- Magenta (42%)
- Yellow (73%)
- Black (3%)



- Cyan (3%)
- Magenta (43%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 64.898, 59.443 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, 64.898, 59.443 by changing the saturation by 10% instead.

70, 64.898, 59.443

70, 64.898, 59.443

100, 64.898,
59.443

60, 64.898, 59.443

90, 64.898, 59.443

50, 64.898, 59.443

40, 64.898, 59.443

30, 64.898, 59.443

20, 64.898, 59.443

10, 64.898, 59.443

0, 64.898, 59.443

70, 64.898, 59.443

70, 64.898, 59.443

67, 74.497, 58.119

73, 54.800, 60.537

64, 82.468, 56.208

77, 44.819, 61.563

62, 86.902, 54.303

81, 35.229, 62.592

85, 26.134, 63.644

88, 17.555, 64.715

93, 9.472, 65.787

97, 1.847, 66.670

100, 2.331,
199.542

Harmonies

Complementary

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



70, 64.898, 59.443



67, 47.067, 264.086

Rectangle

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



70, 64.898, 59.443



70, 64.898, 109.443



70, 64.898, 239.443



70, 64.898, 289.443

Sweetspot

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



70, 64.896, 59.446



91, 17.499, 64.768



59, 77.256, 347.725



47, 11.855, 64.476



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, 64.896, 59.446



67, 80.062, 57.341



91, 77.895, 99.163



50, 4.285, 66.102



48, 70.358, 54.980



14, 26.064, 54.482

Inverse Universe

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



67, 47.067, 264.086



64, 56.117, 270.632



45, 96.486, 299.906



50, 4.143, 248.419



45, 49.777, 276.087



13, 20.201, 268.657

Previews

White Background



This preview shows how the CIELCh color 70, 64.898, 59.443 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, 64.898, 59.443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

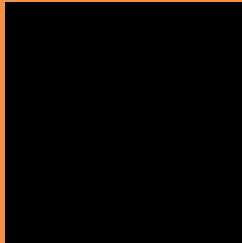
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 70, 64.898, 59.443

Background



This preview shows how black text looks on a background with the CIELCh color 70, 64.898, 59.443.



This preview shows how white text looks on a background with the CIELCh color 70, 64.898, 59.443.

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, 64.898, 59.443

Protanopia

70, 50.984, 95.515

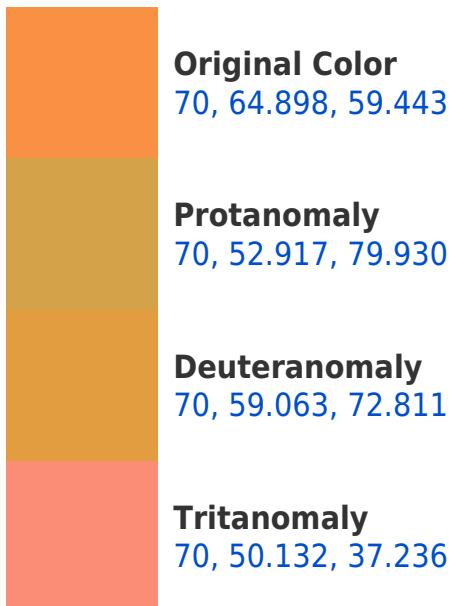
Deuteranopia

70, 57.717, 81.014



Tritanopia
70, 47.185, 18.053

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 64.898, 59.443 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(248, 145, 68)` looks like.

```
.text, #text, p{  
    color:rgb(248, 145, 68)  
}
```

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(248, 145, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 145, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 64.898, 59.443 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(248, 145, 68) }
```

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

```
.border{ border-color:rgb(248, 145, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 145, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 145, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 145, 68);  
box-shadow:4px 4px 4px 4px rgb(248, 145,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 64.898, 59.443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 145, 68) }
```

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

```
.background{ background-color: rgb(248,  
145, 68) }
```

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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