

Converting Colors

CIELCh(71, 65.448, 64.679)

Have a look what the booklet for
CIELCh(71, 65.448, 64.679) contains.

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Color

CIELCh(71, 65.387, 64.724)

Conversions

Conversions Part 1

Format	Color
Hex	F5983F
RGB	245, 152, 63
RGB Percent	96%, 60%, 25%
CMY	0.0396, 0.4042, 0.7532
CMYK	0.00, 0.38, 0.74, 0.04
HSL	29°, 90%, 60%
HSV	29°, 74%, 96%
XYZ	49.7372, 42.1875, 10.2135
YIQ	169.6610, 83.9970, -7.9630

Conversions

Conversions Part 2

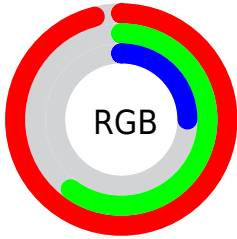
Format	Color
R _Y B	245, 237, 63
Decimal	16095295
CIE Lab	71.00, 27.92, 59.13
CIE LCh	71, 65.387, 64.724
Yxy	42.1875, 0.4870, 0.4130
Android (android.graphics.Color)	4294285375 (0xFFFF5983F)
YUV	169.6610, -52.5839, 66.0723
Hunter-Lab	64.9519, 23.0213, 36.1431

Details

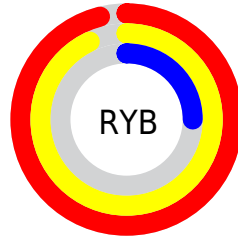
The CIELCh color **71, 65.387, 64.724** is a light color, and the websafe version is hex **FF9933**. The color can be described as light washed orange. A complement of this color would be **63, 52.354, 272.286**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **86, 51.517, 82.753**, and **51, 65.337, 64.579** is the 20% darker color. If you saturate the color by 10%, you get **68, 73.984, 62.989**, and if you desaturate by 10%, it is **74, 55.936, 66.159**.

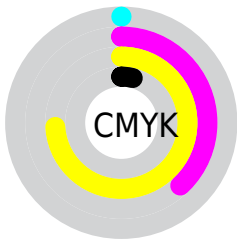
Distribution



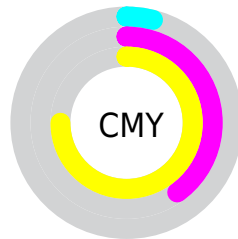
- Red (96%)
- Green (60%)
- Blue (25%)



- Red (96%)
- Yellow (93%)
- Blue (25%)



- Cyan (0%)
- Magenta (38%)
- Yellow (74%)
- Black (4%)



- Cyan (4%)
- Magenta (40%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 71, 65.387, 64.724 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 71, 65.387, 64.724 by changing the saturation by 10% instead.

71, 65.387, 64.724

71, 65.387, 64.724

100, 65.387,
64.724

61, 65.387, 64.724

91, 65.387, 64.724

51, 65.387, 64.724

41, 65.387, 64.724

31, 65.387, 64.724

21, 65.387, 64.724

11, 65.387, 64.724

1, 65.387, 64.724

0, 65.387, 64.724

71, 65.387, 64.724

71, 65.387, 64.724

68, 73.984, 62.989

74, 55.936, 66.159

65, 80.588, 60.609

77, 46.339, 67.466

64, 83.386, 58.981

81, 36.947, 68.731

84, 27.912, 69.981

88, 19.287, 71.223

91, 11.074, 72.446

95, 3.249, 73.574

99, 2.871, 231.248

99, 3.487, 199.374

Harmonies

Complementary

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



71, 65.387, 64.724



63, 52.354, 272.286

Rectangle

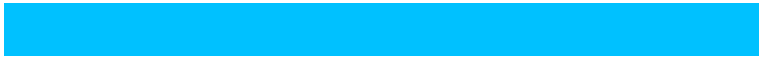
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71, 65.387, 64.724



71, 65.387, 114.724



71, 65.387, 244.724



71, 65.387, 294.724

Sweetspot

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



71, 65.386, 64.727



92, 17.938, 71.502



57, 75.139, 352.685



48, 12.134, 71.167



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 65.386, 64.727



69, 79.948, 61.933



93, 82.340, 102.770



49, 4.346, 73.018



49, 67.608, 59.680



14, 24.638, 60.323

Inverse Universe

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



63, 52.354, 272.286



59, 64.199, 278.839



40, 104.927, 302.431



49, 4.243, 255.520



41, 55.802, 283.002



11, 21.742, 275.617

Previews

White Background



This preview shows how the CIELCh color 71, 65.387, 64.724 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 71, 65.387, 64.724 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 71, 65.387, 64.724

Background



This preview shows how black text looks on a background with the CIELCh color 71, 65.387, 64.724.



This preview shows how white text looks on a background with the CIELCh color 71, 65.387, 64.724.

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

71, 65.387, 64.724

Protanopia

71, 55.021, 95.354

Deuteranopia

71, 60.459, 80.986



Tritanopia
71, 43.275, 16.895

Trichromacy



Original Color
71, 65.387, 64.724

Protanomaly
71, 56.417, 82.678

Deuteranomaly
71, 61.784, 74.544

Tritanomaly
71, 46.996, 40.236

Monochromacy



Original Color
71, 65.387, 64.724

Achromatopsia
70, 0.009, 296.813

Achromatomaly
69, 22.733, 69.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 65.387, 64.724 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(245, 152, 63)` looks like.

```
.text, #text, p{  
    color:rgb(245, 152, 63)  
}
```

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(245, 152, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 152, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 65.387, 64.724 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(245, 152, 63) }
```

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

```
.border{ border-color:rgb(245, 152, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 152, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 152, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 152, 63);  
box-shadow:4px 4px 4px 4px rgb(245, 152,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 65.387, 64.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 152, 63) }
```

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

```
.background{ background-color: rgb(245,  
152, 63) }
```

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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