

Converting Colors

CIELCh(56, 91.926, 46.693)

Have a look what the booklet for
CIELCh(56, 91.926, 46.693) contains.

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Color

CIELCh(56, 91.927, 46.723)

Conversions

Conversions Part 1

Format	Color
Hex	F44901
RGB	244, 73, 1
RGB Percent	96%, 29%, 0%
CMY	0.0443, 0.7147, 0.9974
CMYK	0.00, 0.70, 1.00, 0.04
HSL	18°, 99%, 48%
HSV	18°, 100%, 96%
XYZ	39.5752, 23.9124, 2.5486
YIQ	115.9210, 125.0280, 13.8600

Conversions

Conversions Part 2

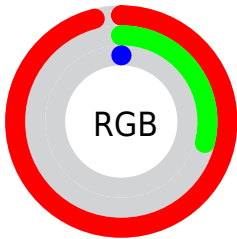
Format	Color
R_{YB}	244, 103, 1
Decimal	16009473
CIE Lab	56.00, 63.02, 66.93
CIE LCh	56, 91.927, 46.723
Yxy	23.9124, 0.5993, 0.3621
Android (android.graphics.Color)	4294199553 (0xFFFF44901)
YUV	115.9210, -56.6561, 112.3253
Hunter-Lab	48.9003, 58.8850, 31.1401

Details

The CIELCh color **56, 91.927, 46.723** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **66, 47.377, 256.307**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 70.365, 52.677**, and **37, 79.814, 39.968** is the 20% darker color. If you saturate the color by 10%, you get **56, 92.116, 46.699**, and if you desaturate by 10%, it is **59, 84.433, 47.959**.

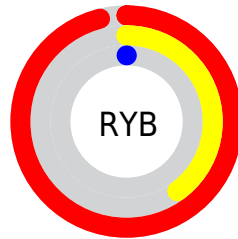
Distribution



Red (96%)

Green (29%)

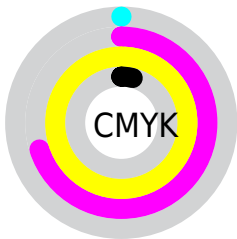
Blue (0%)



Red (96%)

Yellow (40%)

Blue (0%)

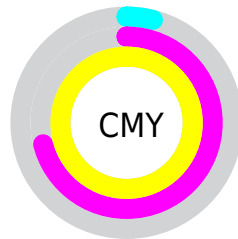


Cyan (0%)

Magenta (70%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (71%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 91.927, 46.723 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 56, 91.927, 46.723 by changing the saturation by 10% instead.

 56, 91.927, 46.723

 56, 91.927, 46.723

 100, 91.927,
46.723

 46, 91.927, 46.723

 76, 91.927, 46.723

 36, 91.927, 46.723

 86, 91.927, 46.723

 26, 91.927, 46.723

 96, 91.927, 46.723

 16, 91.927, 46.723

 6, 91.927, 46.723

 0, 91.927, 46.723

 56, 91.927, 46.723

 56, 91.927, 46.723

 56, 92.116, 46.699

 59, 84.433, 47.959

 62, 74.561, 48.425

65, 63.681, 48.518

69, 52.798, 48.576

73, 42.360, 48.728

77, 32.546, 49.005

82, 23.409, 49.401

87, 14.937, 49.892

91, 7.087, 50.433

Harmonies

Complementary

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



56, 91.927, 46.723



66, 47.377, 256.307

Rectangle

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



56, 91.927, 46.723



56, 91.927, 96.723



56, 91.927, 226.723



56, 91.927, 276.723

Sweetspot

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



56, 91.924, 46.725



85, 24.540, 49.386



54, 89.871, 343.977



43, 17.025, 49.207



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 91.924, 46.725



58, 95.418, 46.621



80, 81.816, 86.124



49, 4.151, 50.445



43, 74.786, 47.247



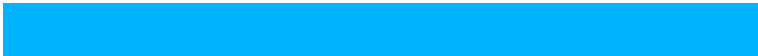
12, 26.126, 42.497

Inverse Universe

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



66, 47.377, 256.307



69, 49.161, 256.577



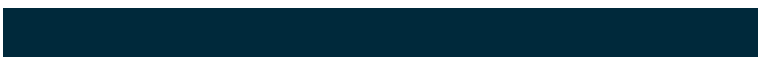
36, 112.439, 302.274



49, 3.942, 231.929



52, 38.459, 255.508



15, 16.197, 247.795

Previews

White Background



This preview shows how the CIELCh color 56, 91.927, 46.723 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 56, 91.927, 46.723 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 × Fail

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

CIELCh 56, 91.927, 46.723

Background



This preview shows how black text looks on a background with the CIELCh color 56, 91.927, 46.723.



This preview shows how white text looks on a background with the CIELCh color 56, 91.927, 46.723.

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

56, 91.927, 46.723

Protanopia

56, 55.324, 95.151

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 77.214, 30.350

Trichromacy



Original Color
56, 91.927, 46.723

Protanomaly
54, 61.917, 68.602

Deuteranomaly
55, 69.036, 64.533

Tritanomaly
56, 83.716, 39.017

Monochromacy



Original Color
56, 91.927, 46.723

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 33.609, 48.559

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 91.927, 46.723 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(244, 73, 1)` looks like.

```
.text, #text, p{  
    color:rgb(244, 73, 1)  
}
```

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(244, 73, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 73, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 91.927, 46.723 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(244, 73, 1) }
```

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

```
.border{ border-color:rgb(244, 73, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 73, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 73, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 73, 1);  
box-shadow:4px 4px 4px 4px rgb(244, 73, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 91.927, 46.723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 73, 1) }
```

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

```
.background{ background-color: rgb(244, 73,  
1) }
```

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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