

Converting Colors

CIELCh(56, 93.384, 46.371)

Have a look what the booklet for
CIELCh(56, 93.384, 46.371) contains.

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Color

CIELCh(56, 93.027, 46.201)

Conversions

Conversions Part 1

Format	Color
Hex	F54600
RGB	245, 70, 0
RGB Percent	96%, 27%, 0%
CMY	0.0376, 0.7240, 0.9982
CMYK	0.00, 0.71, 1.00, 0.04
HSL	17°, 100%, 48%
HSV	17°, 100%, 96%
XYZ	40.0119, 23.9124, 2.5197
YIQ	114.3450, 126.7700, 15.3300

Conversions

Conversions Part 2

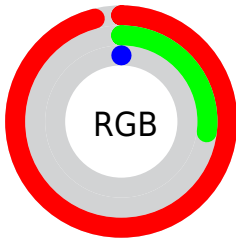
Format	Color
R_{YB}	245, 98, 0
Decimal	16074240
CIE _{Lab}	56.00, 64.39, 67.14
CIE _{LCh}	56, 93.027, 46.201
Yxy	23.9124, 0.6022, 0.3599
Android (android.graphics.Color)	4294264320 (0xFFFF54600)
YUV	114.3450, -56.3721, 114.5844
Hunter-Lab	48.9003, 60.4793, 31.1752

Details

The CIELCh color **56, 93.027, 46.201** 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 **68, 46.832, 254.240**, and the grayscale version is **49, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.129, 51.681**, and **37, 80.154, 39.975** is the 20% darker color. If you saturate the color by 10%, you get **56, 93.156, 46.188**, and if you desaturate by 10%, it is **59, 85.468, 47.319**.

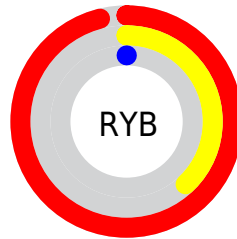
Distribution



Red (96%)

Green (27%)

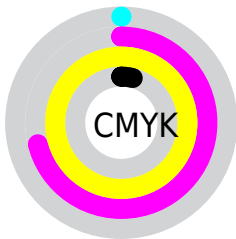
Blue (0%)



Red (96%)

Yellow (38%)

Blue (0%)

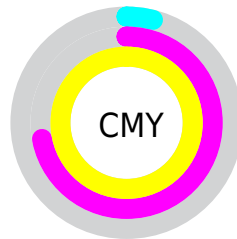


Cyan (0%)

Magenta (71%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (72%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 93.027, 46.201 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, 93.027, 46.201 by changing the saturation by 10% instead.

56, 93.027, 46.201

56, 93.027, 46.201

100, 93.027,
46.201

46, 93.027, 46.201

76, 93.027, 46.201

36, 93.027, 46.201

86, 93.027, 46.201

26, 93.027, 46.201

96, 93.027, 46.201

16, 93.027, 46.201

6, 93.027, 46.201

0, 93.027, 46.201

56, 93.027, 46.201

56, 93.027, 46.201

56, 93.156, 46.188

59, 85.468, 47.319

62, 75.476, 47.664

65, 64.458, 47.642

69, 53.436, 47.597

73, 42.868, 47.659

78, 32.937, 47.858

82, 23.695, 48.186

87, 15.133, 48.615

92, 7.208, 49.101

Harmonies

Complementary

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



56, 93.027, 46.201



68, 46.832, 254.240

Rectangle

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



56, 93.027, 46.201



56, 93.027, 96.201



56, 93.027, 226.201



56, 93.027, 276.201

Sweetspot

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



56, 93.024, 46.203



85, 24.621, 48.176



55, 90.338, 344.000



43, 17.084, 48.025



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, 93.024, 46.203



58, 95.977, 46.124



80, 82.258, 86.102



49, 4.161, 49.117



43, 75.226, 46.732



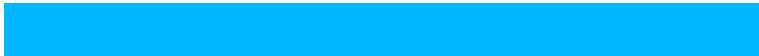
11, 26.271, 41.641

Inverse Universe

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



68, 46.832, 254.240



70, 48.302, 254.445



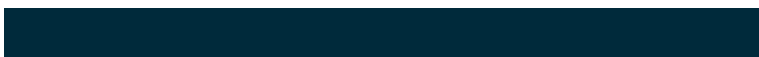
36, 113.154, 302.305



49, 3.947, 230.509



52, 37.818, 253.388



15, 16.020, 245.805

Previews

White Background



This preview shows how the CIELCh color 56, 93.027, 46.201 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, 93.027, 46.201 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, 93.027, 46.201

Background



This preview shows how black text looks on a background with the CIELCh color 56, 93.027, 46.201.



This preview shows how white text looks on a background with the CIELCh color 56, 93.027, 46.201.

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, 93.027, 46.201

Protanopia

56, 55.324, 95.151

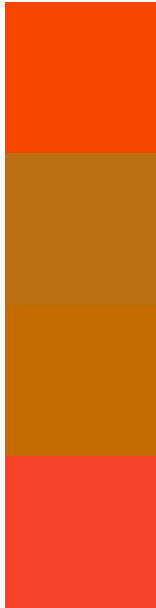
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 78.755, 31.060

Trichromacy



Original Color
56, 93.027, 46.201

Protanomaly
54, 62.225, 68.281

Deuteranomaly
54, 69.146, 64.086

Tritanomaly
56, 85.036, 39.113

Monochromacy



Original Color
56, 93.027, 46.201

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 34.111, 48.239

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 93.027, 46.201 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, 70, 0)` looks like.

```
.text, #text, p{  
    color:rgb(245, 70, 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(245, 70, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 70, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 93.027, 46.201 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, 70, 0) }
```

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

```
.border{ border-color:rgb(245, 70, 0) }
```

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

Here you see how a box with a 4 pixel rgb(245, 70, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 70, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 70, 0);  
box-shadow:4px 4px 4px 4px rgb(245, 70, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 93.027, 46.201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 70, 0) }
```

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

```
.background{ background-color: rgb(245, 70,  
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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