

Converting Colors

CIELCh(56, 91.259, 46.581)

Have a look what the booklet for
CIELCh(56, 91.259, 46.581) contains.

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Color

CIELCh(56, 91.132, 46.505)

Conversions

Conversions Part 1

Format	Color
Hex	F34904
RGB	243, 73, 4
RGB Percent	95%, 29%, 2%
CMY	0.0460, 0.7127, 0.9830
CMYK	0.00, 0.70, 0.98, 0.05
HSL	17°, 96%, 49%
HSV	17°, 98%, 95%
XYZ	39.4821, 23.9124, 2.6593
YIQ	115.9640, 123.4690, 14.5810

Conversions

Conversions Part 2

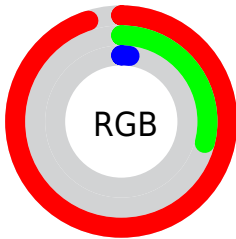
Format	Color
R_{YB}	243, 101, 4
Decimal	15943940
CIE Lab	56.00, 62.73, 66.11
CIE LCh	56, 91.132, 46.505
Yxy	23.9124, 0.5977, 0.3620
Android (android.graphics.Color)	4294134020 (0xFFFF34904)
YUV	115.9640, -55.1983, 111.4106
Hunter-Lab	48.9003, 58.5452, 31.0059

Details

The CIELCh color **56, 91.132, 46.505** 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 **67, 46.341, 253.993**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 70.029, 52.426**, and **37, 79.473, 39.961** is the 20% darker color. If you saturate the color by 10%, you get **56, 92.388, 46.333**, and if you desaturate by 10%, it is **59, 83.292, 47.596**.

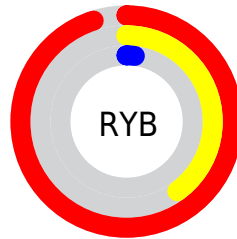
Distribution



Red (95%)

Green (29%)

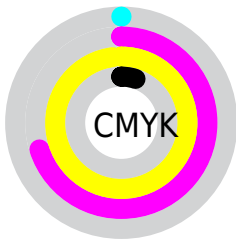
Blue (2%)



Red (95%)

Yellow (40%)

Blue (2%)

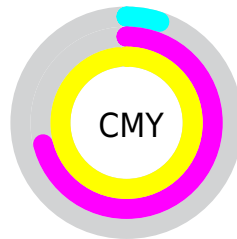


Cyan (0%)

Magenta (70%)

Yellow (98%)

Black (5%)



Cyan (5%)


Magenta (71%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 91.132, 46.505 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, 91.132, 46.505 by changing the saturation by 10% instead.

 56, 91.132, 46.505

 56, 91.132, 46.505

 100, 91.132,
46.505


 46, 91.132, 46.505

 76, 91.132, 46.505

 36, 91.132, 46.505

 86, 91.132, 46.505

 26, 91.132, 46.505

 96, 91.132, 46.505

 16, 91.132, 46.505

 6, 91.132, 46.505

 0, 91.132, 46.505

 56, 91.132, 46.505

 56, 91.132, 46.505

 56, 92.388, 46.333

 59, 83.292, 47.596

 62, 73.120, 47.878

65, 62.149, 47.867

69, 51.276, 47.861

73, 40.894, 47.967

78, 31.156, 48.209

82, 22.102, 48.572

87, 13.715, 49.031

92, 5.949, 49.530

Harmonies

Complementary

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



56, 91.132, 46.505



67, 46.341, 253.993

Rectangle

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



56, 91.132, 46.505



56, 91.132, 96.505



56, 91.132, 226.505



56, 91.132, 276.505

Sweetspot

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



56, 91.129, 46.507



86, 23.683, 48.537



54, 89.738, 343.696



43, 16.531, 48.372



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, 91.129, 46.507



58, 95.829, 46.254



80, 81.460, 86.384



49, 4.158, 49.469



43, 75.110, 46.866



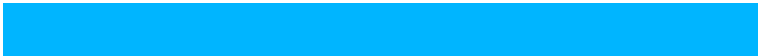
11, 26.232, 41.866

Inverse Universe

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



67, 46.341, 253.993



70, 48.524, 255.016



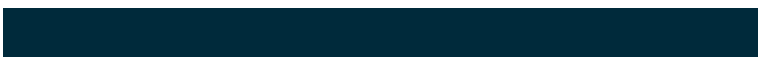
37, 110.725, 301.901



49, 3.945, 230.886



52, 37.984, 253.956



15, 16.065, 246.337

Previews

White Background



This preview shows how the CIELCh color 56, 91.132, 46.505 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, 91.132, 46.505 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, 91.132, 46.505

Background



This preview shows how black text looks on a background with the CIELCh color 56, 91.132, 46.505.



This preview shows how white text looks on a background with the CIELCh color 56, 91.132, 46.505.

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, 91.132, 46.505

Protanopia

56, 55.324, 95.151

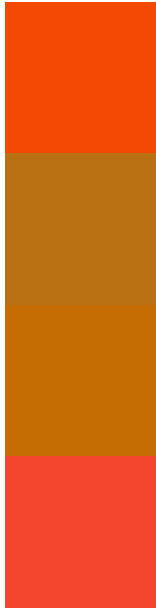
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 76.828, 30.298

Trichromacy



Original Color
56, 91.132, 46.505

Protanomaly
54, 61.420, 68.933

Deuteranomaly
55, 68.696, 64.376

Tritanomaly
56, 82.776, 38.488

Monochromacy



Original Color
56, 91.132, 46.505

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 33.255, 47.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 91.132, 46.505 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(243, 73, 4)` looks like.

```
.text, #text, p{  
    color:rgb(243, 73, 4)  
}
```

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(243, 73, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 73, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 91.132, 46.505 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(243, 73, 4) }
```

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

```
.border{ border-color:rgb(243, 73, 4) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 73, 4)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 73, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 73, 4);  
box-shadow:4px 4px 4px 4px rgb(243, 73, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 91.132, 46.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 73, 4) }
```

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

```
.background{ background-color: rgb(243, 73,  
4) }
```

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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