

Converting Colors

CIELCh(56, 96.718, 43.044)

Have a look what the booklet for
CIELCh(56, 96.718, 43.044) contains.

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Color

CIELCh(56, 96.629, 43.023)

Conversions

Conversions Part 1

Format	Color
Hex	FD3A0A
RGB	253, 58, 10
RGB Percent	99%, 23%, 4%
CMY	0.0081, 0.7727, 0.9611
CMYK	0.00, 0.77, 0.96, 0.01
HSL	12°, 98%, 52%
HSV	12°, 96%, 99%
XYZ	42.0498, 23.9124, 2.6843
YIQ	110.8330, 131.6280, 26.4120

Conversions

Conversions Part 2

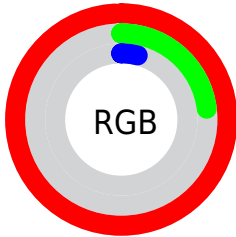
Format	Color
RYB	253, 70, 10
Decimal	16595466
CIELab	56.00, 70.64, 65.93
CIElCh	56, 96.629, 43.023
Yxy	23.9124, 0.6126, 0.3483
Android (android.graphics.Color)	4294785546 (0xFFFD3A0A)
YUV	110.8330, -49.7107, 124.6805
Hunter-Lab	48.9003, 67.9179, 30.9756

Details

The CIELCh color **56, 96.629, 43.023** 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 **77, 43.358, 234.346**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.128, 47.404**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.347, 42.975**, and if you desaturate by 10%, it is **58, 87.760, 42.839**.

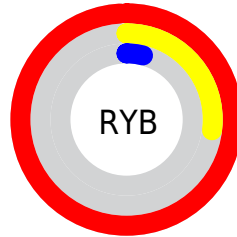
Distribution



Red (99%)

Green (23%)

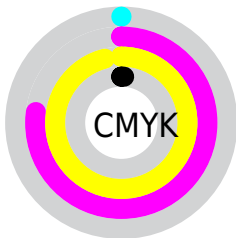
Blue (4%)



Red (99%)

Yellow (27%)

Blue (4%)

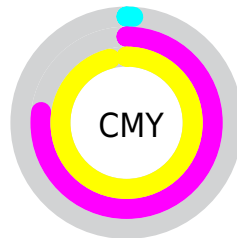


Cyan (0%)

Magenta (77%)

Yellow (96%)

Black (1%)



Cyan (1%)

Magenta (77%)

Yellow (96%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 96.629, 43.023 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, 96.629, 43.023 by changing the saturation by 10% instead.

 56, 96.629, 43.023

 56, 96.629, 43.023

 100, 96.629,
43.023

 46, 96.629, 43.023

 76, 96.629, 43.023

 36, 96.629, 43.023

 86, 96.629, 43.023

 26, 96.629, 43.023

 96, 96.629, 43.023

 16, 96.629, 43.023

 6, 96.629, 43.023

 0, 96.629, 43.023

 56, 96.629, 43.023

 56, 96.629, 43.023

 55, 99.347, 42.975

 58, 87.760, 42.839

 62, 76.516, 41.915

66, 64.641, 40.903

70, 52.961, 40.067

75, 41.839, 39.473

80, 31.430, 39.109

85, 21.778, 38.940

90, 12.872, 38.917

96, 4.666, 38.947

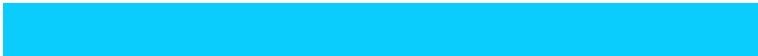
Harmonies

Complementary

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



56, 96.629, 43.023



77, 43.358, 234.346

Rectangle

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



56, 96.629, 43.023



56, 96.629, 93.023



56, 96.629, 223.023



56, 96.629, 273.023

Sweetspot

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



56, 96.625, 43.025



84, 24.686, 38.972



58, 99.184, 336.971



42, 17.247, 39.044



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, 96.625, 43.025



56, 99.974, 42.965



77, 81.199, 77.619



50, 4.459, 38.946



42, 80.072, 43.371



12, 30.015, 37.035

Inverse Universe

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



77, 43.358, 234.346



76, 43.970, 235.901



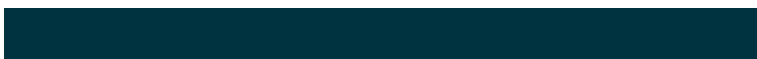
44, 97.563, 296.887



52, 4.200, 219.557



59, 35.356, 235.150



19, 16.146, 229.941

Previews

White Background



This preview shows how the CIELCh color 56, 96.629, 43.023 looks on a white background.

Color Contrast Check

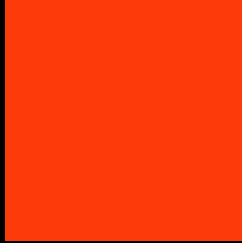
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.629, 43.023 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, 96.629, 43.023

Background



This preview shows how black text looks on a background with the CIELCh color 56, 96.629, 43.023.



This preview shows how white text looks on a background with the CIELCh color 56, 96.629, 43.023.

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, 96.629, 43.023

Protanopia

56, 53.630, 95.607

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 87.346, 33.512

Trichromacy



Original Color
56, 96.629, 43.023

Protanomaly
53, 61.394, 64.150

Deuteranomaly
54, 69.963, 61.278

Tritanomaly
56, 91.404, 37.871

Monochromacy



Original Color
56, 96.629, 43.023

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 35.569, 40.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 96.629, 43.023 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(253, 58, 10)` looks like.

```
.text, #text, p{  
    color:rgb(253, 58, 10)  
}
```

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(253, 58, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 58, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 96.629, 43.023 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(253, 58, 10) }
```

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

```
.border{ border-color:rgb(253, 58, 10) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 58, 10)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 58, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 58, 10);  
box-shadow:4px 4px 4px 4px rgb(253, 58,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 96.629, 43.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 58, 10) }
```

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

```
.background{ background-color: rgb(253, 58,  
10) }
```

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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