

Converting Colors

CIELCh(56, 88.603, 45.129)

Have a look what the booklet for
CIELCh(56, 88.603, 45.129) contains.

CIELCh(56, 88.593, 45.136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(56, 88.593, 45.136)

Conversions

Conversions Part 1

Format	Color
Hex	F34A13
RGB	243, 74, 19
RGB Percent	95%, 29%, 7%
CMY	0.0482, 0.7108, 0.9266
CMYK	0.00, 0.70, 0.92, 0.05
HSL	15°, 90%, 51%
HSV	15°, 92%, 95%
XYZ	39.4093, 23.9124, 3.1420
YIQ	118.2610, 118.3790, 18.7230

Conversions

Conversions Part 2

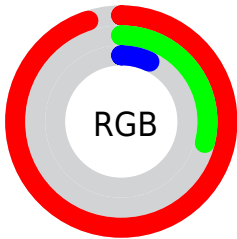
Format	Color
R_{YB}	243, 92, 19
Decimal	15944211
CIE _{Lab}	56.00, 62.50, 62.79
CIE _{LCh}	56, 88.593, 45.136
Yxy	23.9124, 0.5929, 0.3598
Android (android.graphics.Color)	4294134291 (0xFFFF34A13)
YUV	118.2610, -48.9357, 109.3961
Hunter-Lab	48.9003, 58.2793, 30.4207

Details

The CIELCh color **56, 88.593, 45.136** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **71, 42.856, 242.686**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 67.183, 50.696**, and **37, 79.814, 39.968** is the 20% darker color. If you saturate the color by 10%, you get **54, 94.214, 44.600**, and if you desaturate by 10%, it is **59, 78.953, 45.176**.

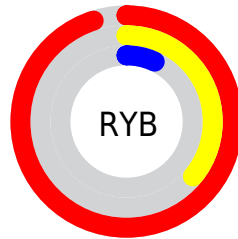
Distribution



Red (95%)

Green (29%)

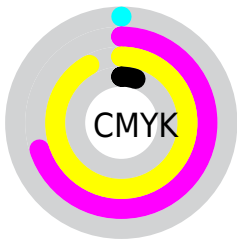
Blue (7%)



Red (95%)

Yellow (36%)

Blue (7%)

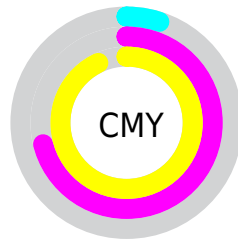


Cyan (0%)

Magenta (70%)

Yellow (92%)

Black (5%)



Cyan (5%)

Magenta (71%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 88.593, 45.136 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, 88.593, 45.136 by changing the saturation by 10% instead.

■ 56, 88.593, 45.136

■ 56, 88.593, 45.136

■ 100, 88.593,
45.136

■ 46, 88.593, 45.136

■ 76, 88.593, 45.136

■ 36, 88.593, 45.136

■ 86, 88.593, 45.136

■ 26, 88.593, 45.136

■ 96, 88.593, 45.136

■ 16, 88.593, 45.136

■ 6, 88.593, 45.136

■ 0, 88.593, 45.136

■ 56, 88.593, 45.136

■ 56, 88.593, 45.136

■ 54, 94.214, 44.600

■ 59, 78.953, 45.176

■ 62, 67.901, 44.747

66, 56.673, 44.294

70, 45.831, 43.983

75, 35.609, 43.853

80, 26.090, 43.892

84, 17.281, 44.070

89, 9.147, 44.343

95, 1.634, 44.425

Harmonies

Complementary

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



56, 88.593, 45.136



71, 42.856, 242.686

Rectangle

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



56, 88.593, 45.136



56, 88.593, 95.136



56, 88.593, 225.136



56, 88.593, 275.136

Sweetspot

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



56, 88.590, 45.138



85, 23.143, 43.952



55, 92.452, 339.461



43, 16.266, 43.891



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, 88.590, 45.138



57, 97.897, 44.527



78, 78.654, 83.079



48, 4.212, 44.423



42, 76.749, 45.067



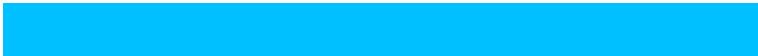
11, 26.817, 38.765

Inverse Universe

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



71, 42.856, 242.686



73, 45.780, 246.362



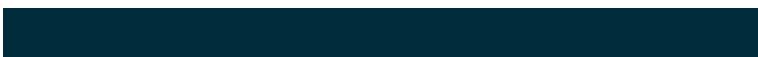
41, 97.328, 298.084



50, 3.981, 225.469



54, 35.952, 245.377



16, 15.540, 238.463

Previews

White Background



This preview shows how the CIELCh color 56, 88.593, 45.136 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, 88.593, 45.136 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, 88.593, 45.136

Background



This preview shows how black text looks on a background with the CIELCh color 56, 88.593, 45.136.



This preview shows how white text looks on a background with the CIELCh color 56, 88.593, 45.136.

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, 88.593, 45.136

Protanopia

56, 52.933, 95.591

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 76.369, 30.148

Trichromacy



Original Color
56, 88.593, 45.136

Protanomaly
54, 58.645, 68.118

Deuteranomaly
55, 67.537, 64.246

Tritanomaly
56, 80.907, 36.992

Monochromacy



Original Color
56, 88.593, 45.136

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 31.011, 44.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 88.593, 45.136 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, 74, 19)` looks like.

```
.text, #text, p{  
    color:rgb(243, 74, 19)  
}
```

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, 74, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 74, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 88.593, 45.136 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, 74, 19) }
```

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

```
.border{ border-color:rgb(243, 74, 19) }
```

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

Here you see how a box with a 4 pixel rgb(243, 74, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 74, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 74, 19);  
box-shadow:4px 4px 4px 4px rgb(243, 74,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 88.593, 45.136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 74, 19) }
```

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

```
.background{ background-color: rgb(243, 74,  
19) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor