

Converting Colors

CIELCh(56, 96.710, 41.455)

Have a look what the booklet for
CIELCh(56, 96.710, 41.455) contains.

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Color

CIELCh(56, 96.717, 41.555)

Conversions

Conversions Part 1

Format	Color
Hex	FF3612
RGB	255, 54, 18
RGB Percent	100%, 21%, 7%
CMY	0.0004, 0.7886, 0.9298
CMYK	0.00, 0.79, 0.93, 0.00
HSL	9°, 100%, 53%
HSV	9°, 93%, 100%
XYZ	42.6257, 23.9124, 2.9372
YIQ	109.9950, 131.3520, 31.4160

Conversions

Conversions Part 2

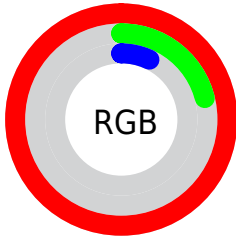
Format	Color
R _Y B	255, 60, 18
Decimal	16725522
CIE Lab	56.00, 72.38, 64.16
CIE LCh	56, 96.717, 41.555
Yxy	23.9124, 0.6135, 0.3442
Android (android.graphics.Color)	4294915602 (0xFFFF3612)
YUV	109.9950, -45.3535, 127.1694
Hunter-Lab	48.9003, 70.0204, 30.6690

Details

The CIELCh color **56, 96.717, 41.555** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **81, 43.241, 223.650**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 70.216, 45.443**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 101.597, 41.829**, and if you desaturate by 10%, it is **59, 86.871, 40.432**.

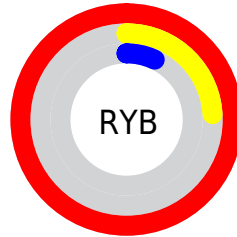
Distribution



Red (100%)

Green (21%)

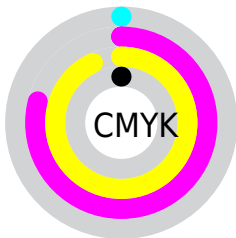
Blue (7%)



Red (100%)

Yellow (24%)

Blue (7%)

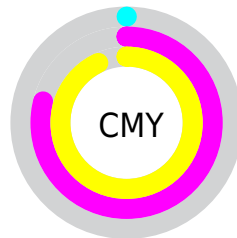


Cyan (0%)

Magenta (79%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (79%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 96.717, 41.555 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, 96.717, 41.555 by changing the saturation by 10% instead.

 56, 96.717, 41.555

 56, 96.717, 41.555

 100, 96.717,
41.555

 46, 96.717, 41.555

 76, 96.717, 41.555

 36, 96.717, 41.555

 86, 96.717, 41.555

 26, 96.717, 41.555

 96, 96.717, 41.555


 16, 96.717, 41.555

 6, 96.717, 41.555

 0, 96.717, 41.555

 56, 96.717, 41.555

 56, 96.717, 41.555

 55, 101.597,
41.829

 59, 86.871, 40.432

 62, 75.154, 38.850

66, 63.043, 37.370

70, 51.202, 36.179

76, 39.943, 35.298

81, 29.407, 34.689

87, 19.640, 34.300

92, 10.632, 34.067

98, 2.337, 33.776

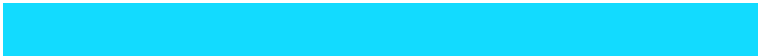
Harmonies

Complementary

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



56, 96.717, 41.555



81, 43.241, 223.650

Rectangle

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



56, 96.717, 41.555



56, 96.717, 91.555



56, 96.717, 221.555



56, 96.717, 271.555

Sweetspot

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



56, 96.713, 41.557



84, 24.460, 34.472



59, 102.025, 334.880



42, 17.197, 34.658



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, 96.713, 41.557



55, 101.628, 41.829



77, 80.517, 75.306



50, 4.593, 34.006



41, 81.464, 42.154



11, 30.680, 34.633

Inverse Universe

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



81, 43.241, 223.650



80, 43.557, 225.722



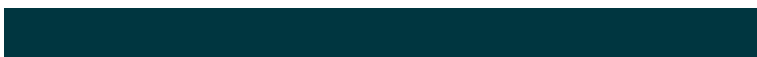
48, 89.832, 293.845



52, 4.319, 214.203



61, 35.094, 225.149



20, 16.222, 221.224

Previews

White Background



This preview shows how the CIELCh color 56, 96.717, 41.555 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, 96.717, 41.555 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, 96.717, 41.555

Background



This preview shows how black text looks on a background with the CIELCh color 56, 96.717, 41.555.



This preview shows how white text looks on a background with the CIELCh color 56, 96.717, 41.555.

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, 96.717, 41.555

Protanopia

56, 51.839, 95.560

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 89.090, 34.408

Trichromacy



Original Color
56, 96.717, 41.555

Protanomaly
53, 60.046, 62.320

Deuteranomaly
54, 70.090, 59.945

Tritanomaly
56, 92.089, 37.602

Monochromacy



Original Color
56, 96.717, 41.555

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 35.242, 35.948

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 96.717, 41.555 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(255, 54, 18)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 18)  
}
```

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(255, 54, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 96.717, 41.555 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(255, 54, 18) }
```

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

```
.border{ border-color:rgb(255, 54, 18) }
```

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

Here you see how a box with a 4 pixel rgb(255, 54, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 18);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 96.717, 41.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 18) }
```

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

```
.background{ background-color: rgb(255, 54,  
18) }
```

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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