

Converting Colors

CIELCh(56, 96.411, 40.612)

Have a look what the booklet for
CIELCh(56, 96.411, 40.612) contains.

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Color

CIELCh(56, 96.051, 40.581)

Conversions

Conversions Part 1

Format	Color
Hex	FF3517
RGB	255, 53, 23
RGB Percent	100%, 21%, 9%
CMY	0.0000, 0.7940, 0.9083
CMYK	0.00, 0.79, 0.91, 0.00
HSL	8°, 100%, 55%
HSV	8°, 91%, 100%
XYZ	42.8179, 23.9124, 3.1898
YIQ	109.9780, 130.0220, 33.4940

Conversions

Conversions Part 2

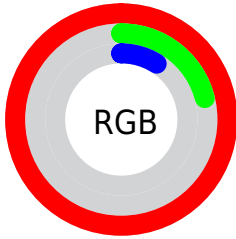
Format	Color
R_YB	255, 57, 23
Decimal	16725271
CIE _{Lab}	56.00, 72.95, 62.48
CIE _{LCh}	56, 96.051, 40.581
Yxy	23.9124, 0.6124, 0.3420
Android (android.graphics.Color)	4294915351 (0xFFFF3517)
YUV	109.9780, -42.8802, 127.1843
Hunter-Lab	48.9003, 70.7219, 30.3627

Details

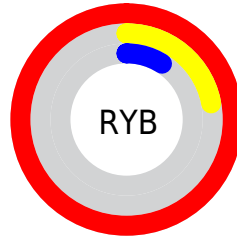
The CIELCh color **56, 96.051, 40.581** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **83, 43.561, 217.897**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 69.465, 44.114**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **54, 102.409, 41.321**, and if you desaturate by 10%, it is **58, 85.540, 38.932**.

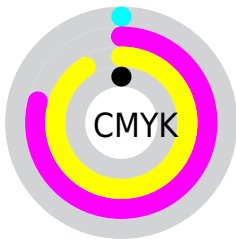
Distribution



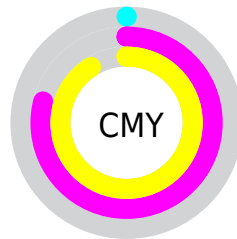
- Red (100%)
- Green (21%)
- Blue (9%)



- Red (100%)
- Yellow (22%)
- Blue (9%)



- Cyan (0%)
- Magenta (79%)
- Yellow (91%)
- Black (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 96.051, 40.581 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, 96.051, 40.581 by changing the saturation by 10% instead.

 56, 96.051, 40.581

 56, 96.051, 40.581

 100, 96.051,
40.581

 46, 96.051, 40.581

 76, 96.051, 40.581

 36, 96.051, 40.581

 86, 96.051, 40.581

 26, 96.051, 40.581

 96, 96.051, 40.581


 16, 96.051, 40.581

 6, 96.051, 40.581

 0, 96.051, 40.581

 56, 96.051, 40.581

 56, 96.051, 40.581

 54, 102.409,
41.321

 58, 85.540, 38.932

 62, 73.651, 37.009

66, 61.486, 35.300

71, 49.622, 33.942

76, 38.342, 32.927

82, 27.786, 32.203

87, 17.999, 31.706

93, 8.971, 31.367

99, 0.658, 30.264

Harmonies

Complementary

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



56, 96.051, 40.581



83, 43.561, 217.897

Rectangle

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



56, 96.051, 40.581



56, 96.051, 90.581



56, 96.051, 220.581



56, 96.051, 270.581

Sweetspot

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



56, 95.887, 40.587



84, 23.947, 31.989



59, 104.240, 333.086



43, 16.369, 32.178



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, 95.887, 40.587



54, 102.409, 41.321



75, 79.549, 72.793



50, 4.684, 31.328



41, 82.136, 41.600



11, 31.072, 33.349

Inverse Universe

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



83, 43.561, 217.897



82, 43.878, 220.035



51, 82.798, 290.802



52, 4.403, 211.297



63, 35.376, 219.574



21, 16.412, 216.424

Previews

White Background



This preview shows how the CIELCh color 56, 96.051, 40.581 looks on a white background.

Color Contrast Check

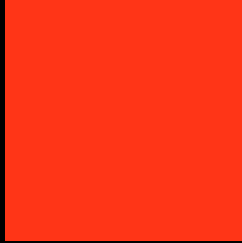
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.051, 40.581 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, 96.051, 40.581

Background



This preview shows how black text looks on a background with the CIELCh color 56, 96.051, 40.581.



This preview shows how white text looks on a background with the CIELCh color 56, 96.051, 40.581.

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, 95.895, 40.708

Protanopia

56, 49.811, 96.027

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 89.512, 34.548

Trichromacy



Original Color
56, 95.895, 40.708

Protanomaly
53, 58.144, 61.025

Deuteranomaly
54, 69.766, 59.769

Tritanomaly
56, 91.986, 37.235

Monochromacy



Original Color
56, 95.895, 40.708

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 35.034, 33.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 96.051, 40.581 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, 53, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 23)  
}
```

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, 53, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 96.051, 40.581 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, 53, 23) }
```

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

```
.border{ border-color:rgb(255, 53, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 96.051, 40.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 23) }
```

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

```
.background{ background-color: rgb(255, 53,  
23) }
```

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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