

Converting Colors

CIELCh(56, 97.396, 41.834)

Have a look what the booklet for
CIELCh(56, 97.396, 41.834) contains.

CIELCh(56, 97.399, 41.802)	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, 97.399, 41.802)

Conversions

Conversions Part 1

Format	Color
Hex	FF350F
RGB	255, 53, 15
RGB Percent	100%, 21%, 6%
CMY	0.0000, 0.7910, 0.9402
CMYK	0.00, 0.79, 0.94, 0.00
HSL	10°, 100%, 53%
HSV	10°, 94%, 100%
XYZ	42.7030, 23.9124, 2.8261
YIQ	109.0660, 132.5900, 31.0060

Conversions

Conversions Part 2

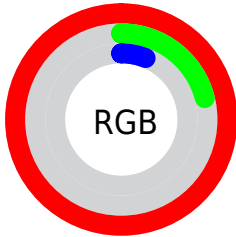
Format	Color
R_{YB}	255, 60, 15
Decimal	16725263
CIE _{Lab}	56.00, 72.61, 64.92
CIE _{LCh}	56, 97.399, 41.802
Yxy	23.9124, 0.6149, 0.3444
Android (android.graphics.Color)	4294915343 (0xFFFF350F)
YUV	109.0660, -46.3745, 127.9841
Hunter-Lab	48.9003, 70.3025, 30.8037

Details

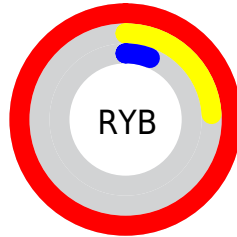
The CIELCh color **56, 97.399, 41.802** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **80, 43.261, 225.360**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 71.039, 45.660**, and **39, 83.161, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **55, 101.405, 41.977**, and if you desaturate by 10%, it is **58, 87.773, 40.878**.

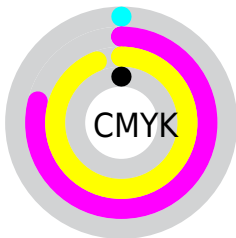
Distribution



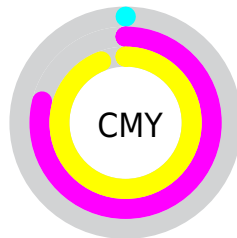
- Red (100%)
- Green (21%)
- Blue (6%)



- Red (100%)
- Yellow (24%)
- Blue (6%)



- Cyan (0%)
- Magenta (79%)
- Yellow (94%)
- Black (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 97.399, 41.802 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, 97.399, 41.802 by changing the saturation by 10% instead.

 56, 97.399, 41.802

 56, 97.399, 41.802

 100, 97.399,
41.802

 46, 97.399, 41.802

 76, 97.399, 41.802

 36, 97.399, 41.802

 86, 97.399, 41.802

 26, 97.399, 41.802

 96, 97.399, 41.802


 16, 97.399, 41.802

 6, 97.399, 41.802

 0, 97.399, 41.802

 56, 97.399, 41.802

 56, 97.399, 41.802

 55, 101.405,
41.977

 58, 87.773, 40.878

 62, 76.160, 39.396

66, 64.063, 37.970

70, 52.203, 36.811

75, 40.911, 35.953

80, 30.338, 35.364

86, 20.533, 34.994

92, 11.488, 34.785

98, 3.159, 34.583

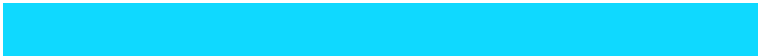
Harmonies

Complementary

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



56, 97.399, 41.802



80, 43.261, 225.360

Rectangle

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



56, 97.399, 41.802



56, 97.399, 91.802



56, 97.399, 221.802



56, 97.399, 271.802

Sweetspot

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



56, 97.311, 41.808



84, 24.343, 35.119



59, 102.179, 334.960



42, 17.115, 35.287



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, 97.311, 41.808



55, 101.405, 41.977



76, 80.887, 75.035



50, 4.571, 34.719



41, 81.274, 42.314



11, 30.583, 34.967

Inverse Universe

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



80, 43.261, 225.360



79, 43.539, 227.222



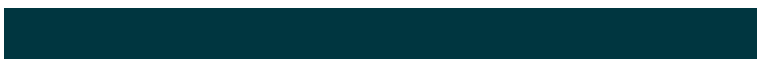
47, 90.961, 294.237



52, 4.299, 214.976



61, 35.071, 226.621



20, 16.189, 222.497

Previews

White Background



This preview shows how the CIELCh color 56, 97.399, 41.802 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, 97.399, 41.802 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

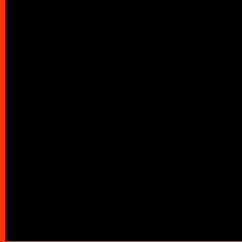
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 97.399, 41.802

Background



This preview shows how black text looks on a background with the CIELCh color 56, 97.399, 41.802.



This preview shows how white text looks on a background with the CIELCh color 56, 97.399, 41.802.

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, 97.399, 41.802

Protanopia

56, 52.210, 95.571

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 89.248, 34.271

Trichromacy



Original Color
56, 97.399, 41.802

Protanomaly
53, 60.741, 62.148

Deuteranomaly
54, 70.254, 60.032

Tritanomaly
56, 92.502, 37.696

Monochromacy



Original Color
56, 97.399, 41.802

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 35.584, 36.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 97.399, 41.802 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, 15)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 15)  
}
```

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, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 97.399, 41.802 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, 15) }
```

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

```
.border{ border-color:rgb(255, 53, 15) }
```

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, 15) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 15);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
15) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 97.399, 41.802 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, 15) }
```

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

```
.background{ background-color: rgb(255, 53,  
15) }
```

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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