

Converting Colors

CIELCh(56, 96.572, 42.621)

Have a look what the booklet for
CIELCh(56, 96.572, 42.621) contains.

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Color

CIELCh(56, 96.368, 42.589)

Conversions

Conversions Part 1

Format	Color
Hex	FD390D
RGB	253, 57, 13
RGB Percent	99%, 22%, 5%
CMY	0.0069, 0.7754, 0.9479
CMYK	0.00, 0.77, 0.95, 0.01
HSL	11°, 99%, 52%
HSV	11°, 95%, 99%
XYZ	42.1509, 23.9124, 2.7843
YIQ	110.5880, 130.9400, 27.8680

Conversions

Conversions Part 2

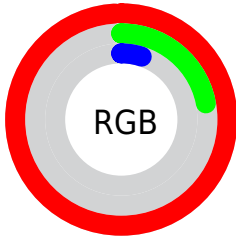
Format	Color
RYB	253, 67, 13
Decimal	16595213
CIELab	56.00, 70.95, 65.22
CIElCh	56, 96.368, 42.589
Yxy	23.9124, 0.6122, 0.3473
Android (android.graphics.Color)	4294785293 (0xFFFD390D)
YUV	110.5880, -48.1109, 124.8953
Hunter-Lab	48.9003, 68.2871, 30.8544

Details

The CIELCh color **56, 96.368, 42.589** 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 **78, 43.113, 230.800**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 70.806, 47.117**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.993, 42.583**, and if you desaturate by 10%, it is **59, 87.053, 42.067**.

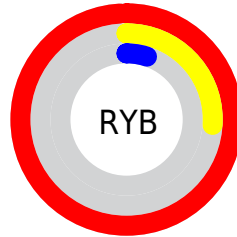
Distribution



Red (99%)

Green (22%)

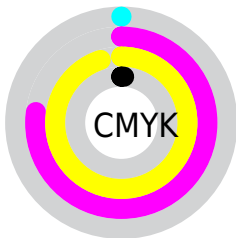
Blue (5%)



Red (99%)

Yellow (26%)

Blue (5%)

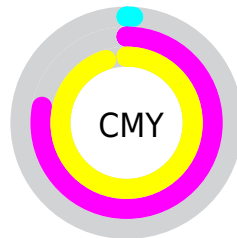


Cyan (0%)

Magenta (77%)

Yellow (95%)

Black (1%)



Cyan (1%)

Magenta (78%)

Yellow (95%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 96.368, 42.589 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, 96.368, 42.589 by changing the saturation by 10% instead.

 56, 96.368, 42.589

 56, 96.368, 42.589

 100, 96.368,
42.589

 46, 96.368, 42.589

 76, 96.368, 42.589

 36, 96.368, 42.589

 86, 96.368, 42.589

 26, 96.368, 42.589

 96, 96.368, 42.589

 16, 96.368, 42.589

 6, 96.368, 42.589

 0, 96.368, 42.589

 56, 96.368, 42.589

 56, 96.368, 42.589

 55, 99.993, 42.583

 59, 87.053, 42.067

 62, 75.608, 40.921

66, 63.657, 39.762

70, 51.951, 38.820

75, 40.821, 38.142

80, 30.411, 37.707

85, 20.763, 37.472

91, 11.864, 37.387

97, 3.667, 37.326

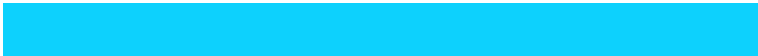
Harmonies

Complementary

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



56, 96.368, 42.589



78, 43.113, 230.800

Rectangle

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



56, 96.368, 42.589



56, 96.368, 92.589



56, 96.368, 222.589



56, 96.368, 272.589

Sweetspot

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



56, 96.365, 42.591



84, 23.944, 37.530



58, 99.213, 336.840



43, 16.835, 37.633



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, 96.365, 42.591



55, 100.527, 42.576



78, 80.968, 77.949



50, 4.497, 37.374



42, 80.534, 42.956



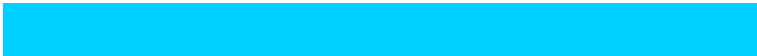
12, 30.225, 36.244

Inverse Universe

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



78, 43.113, 230.800



78, 43.705, 232.722



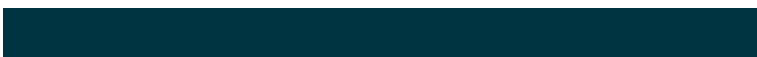
45, 96.225, 296.429



52, 4.233, 217.854



60, 35.168, 232.023



19, 16.133, 227.196

Previews

White Background



This preview shows how the CIELCh color 56, 96.368, 42.589 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, 96.368, 42.589 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, 96.368, 42.589

Background



This preview shows how black text looks on a background with the CIELCh color 56, 96.368, 42.589.



This preview shows how white text looks on a background with the CIELCh color 56, 96.368, 42.589.

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, 96.368, 42.589

Protanopia

56, 52.933, 95.591

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 87.607, 33.804

Trichromacy



Original Color
56, 96.368, 42.589

Protanomaly
53, 60.828, 63.840

Deuteranomaly
54, 69.932, 60.765

Tritanomaly
56, 91.404, 37.871

Monochromacy



Original Color
56, 96.368, 42.589

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 35.521, 38.516

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 96.368, 42.589 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, 57, 13)` looks like.

```
.text, #text, p{  
    color:rgb(253, 57, 13)  
}
```

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, 57, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 57, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 96.368, 42.589 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, 57, 13) }
```

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

```
.border{ border-color:rgb(253, 57, 13) }
```

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

Here you see how a box with a 4 pixel rgb(253, 57, 13) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 57, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 57, 13);  
box-shadow:4px 4px 4px 4px rgb(253, 57,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 96.368, 42.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 57, 13) }
```

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

```
.background{ background-color: rgb(253, 57,  
13) }
```

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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