

Converting Colors

CIELCh(56, 99.062, 43.631)

Have a look what the booklet for
CIELCh(56, 99.062, 43.631) contains.

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Color

CIELCh(56, 98.892, 43.538)

Conversions

Conversions Part 1

Format	Color
Hex	FE3700
RGB	254, 55, 0
RGB Percent	100%, 22%, 0%
CMY	0.0025, 0.7827, 0.9984
CMYK	0.00, 0.78, 1.00, 0.00
HSL	13°, 100%, 50%
HSV	13°, 100%, 100%
XYZ	42.3967, 23.9124, 2.3925
YIQ	108.2310, 136.2590, 25.0830

Conversions

Conversions Part 2

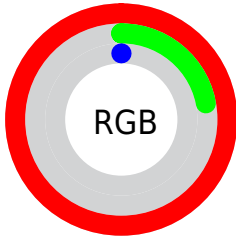
Format	Color
R_{YB}	254, 70, 0
Decimal	16660224
CIE _{Lab}	56.00, 71.69, 68.12
CIE _{LCh}	56, 98.892, 43.538
Yxy	23.9124, 0.6171, 0.3481
Android (android.graphics.Color)	4294850304 (0xFFFE3700)
YUV	108.2310, -53.3579, 127.8394
Hunter-Lab	48.9003, 69.1845, 31.3295

Details

The CIELCh color **56, 98.892, 43.538** 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 **75, 44.415, 240.026**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 73.085, 48.011**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 99.000, 43.539**, and if you desaturate by 10%, it is **58, 91.101, 43.863**.

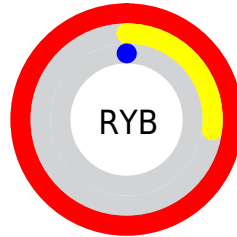
Distribution



Red (100%)

Green (22%)

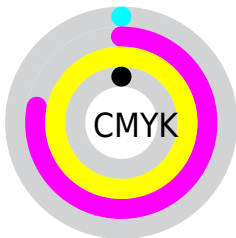
Blue (0%)



Red (100%)

Yellow (27%)

Blue (0%)

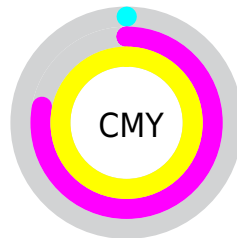


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 98.892, 43.538 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, 98.892, 43.538 by changing the saturation by 10% instead.

 56, 98.892, 43.538

 56, 98.892, 43.538

 100, 98.892,
43.538

 46, 98.892, 43.538

 76, 98.892, 43.538

 36, 98.892, 43.538

 86, 98.892, 43.538

 26, 98.892, 43.538

 96, 98.892, 43.538

 16, 98.892, 43.538

 6, 98.892, 43.538

 0, 98.892, 43.538

 56, 98.892, 43.538

 56, 98.892, 43.538

 56, 99.000, 43.539

 58, 91.101, 43.863

 61, 80.486, 43.367

65, 68.734, 42.567

69, 56.963, 41.845

74, 45.662, 41.324

79, 35.040, 41.019

84, 25.167, 40.906

89, 16.046, 40.943

94, 7.636, 41.076

Harmonies

Complementary

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



56, 98.892, 43.538



75, 44.415, 240.026

Rectangle

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



56, 98.892, 43.538



56, 98.892, 93.538



56, 98.892, 223.538



56, 98.892, 273.538

Sweetspot

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



56, 98.888, 43.540



84, 25.368, 40.906



58, 98.485, 338.379



42, 17.617, 40.934



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, 98.888, 43.540



56, 99.190, 43.536



78, 82.573, 78.265



50, 4.414, 41.080



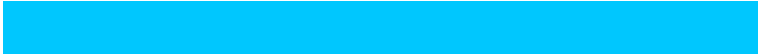
42, 79.423, 43.974



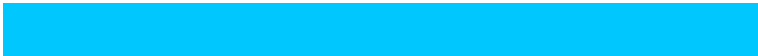
12, 29.736, 38.148

Inverse Universe

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



75, 44.415, 240.026



75, 44.518, 240.099



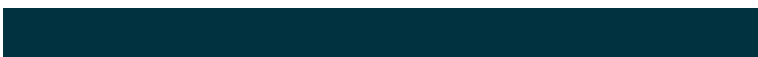
42, 104.647, 298.970



52, 4.162, 221.865



58, 35.757, 239.286



19, 16.217, 233.608

Previews

White Background



This preview shows how the CIELCh color 56, 98.892, 43.538 looks on a white background.

Color Contrast Check

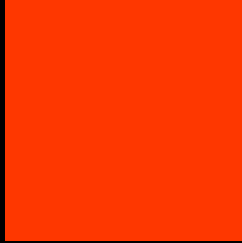
Large Text (above 18pt) WCAG AA ✓ Pass

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, 98.892, 43.538 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, 98.892, 43.538

Background



This preview shows how black text looks on a background with the CIELCh color 56, 98.892, 43.538.



This preview shows how white text looks on a background with the CIELCh color 56, 98.892, 43.538.

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, 98.892, 43.538

Protanopia

56, 54.298, 95.621

Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 88.827, 34.127

Trichromacy



Original Color
56, 98.892, 43.538

Protanomaly
53, 63.100, 64.031

Deuteranomaly
54, 71.121, 60.975

Tritanomaly
56, 93.605, 38.904

Monochromacy



Original Color
56, 98.892, 43.538

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 36.791, 41.638

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 98.892, 43.538 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(254, 55, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 55, 0)  
}
```

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(254, 55, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 55, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 98.892, 43.538 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(254, 55, 0) }
```

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

```
.border{ border-color:rgb(254, 55, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 55, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 55, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 55, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 55, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 98.892, 43.538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 55, 0) }
```

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

```
.background{ background-color: rgb(254, 55,  
0) }
```

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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