

Converting Colors

CIELCh(56, 98.106, 43.111)

Have a look what the booklet for
CIELCh(56, 98.106, 43.111) contains.

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Color

CIELCh(56, 98.002, 43.190)

Conversions

Conversions Part 1

Format	Color
Hex	FE3805
RGB	254, 56, 5
RGB Percent	100%, 22%, 2%
CMY	0.0039, 0.7803, 0.9803
CMYK	0.00, 0.78, 0.98, 0.00
HSL	12°, 99%, 51%
HSV	12°, 98%, 100%
XYZ	42.3181, 23.9124, 2.5290
YIQ	109.3880, 134.3790, 26.1150

Conversions

Conversions Part 2

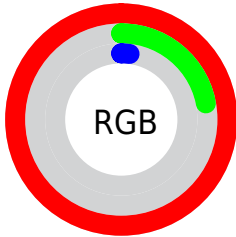
Format	Color
RYB	254, 69, 5
Decimal	16660485
CIELab	56.00, 71.45, 67.07
CIELCh	56, 98.002, 43.190
Yxy	23.9124, 0.6155, 0.3478
Android (android.graphics.Color)	4294850565 (0xFFFE3805)
YUV	109.3880, -51.4633, 126.8247
Hunter-Lab	48.9003, 68.8973, 31.1639

Details

The CIELCh color **56, 98.002, 43.190** 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 **76, 43.827, 236.705**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 72.269, 47.852**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 99.380, 43.181**, and if you desaturate by 10%, it is **58, 89.747, 43.285**.

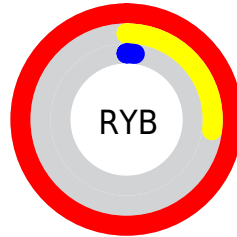
Distribution



Red (100%)

Green (22%)

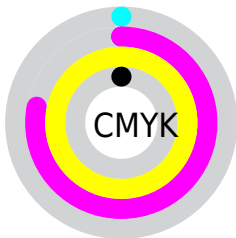
Blue (2%)



Red (100%)

Yellow (27%)

Blue (2%)

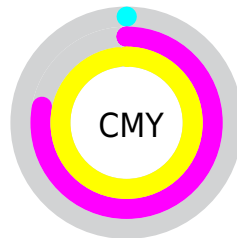


Cyan (0%)

Magenta (78%)

Yellow (98%)

Black (0%)



Cyan (0%)

Magenta (78%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 98.002, 43.190 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, 98.002, 43.190 by changing the saturation by 10% instead.

 56, 98.002, 43.190

 56, 98.002, 43.190

 100, 98.002,
43.190

 46, 98.002, 43.190

 76, 98.002, 43.190

 36, 98.002, 43.190

 86, 98.002, 43.190

 26, 98.002, 43.190

 96, 98.002, 43.190

 16, 98.002, 43.190

 6, 98.002, 43.190

 0, 98.002, 43.190

 56, 98.002, 43.190

 56, 98.002, 43.190

 56, 99.380, 43.181

 58, 89.747, 43.285

 61, 78.777, 42.536

65, 66.926, 41.596

69, 55.166, 40.789

74, 43.922, 40.208

79, 33.375, 39.855

84, 23.584, 39.697

90, 14.544, 39.690

95, 6.212, 39.766

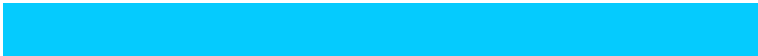
Harmonies

Complementary

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



56, 98.002, 43.190



76, 43.827, 236.705

Rectangle

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



56, 98.002, 43.190



56, 98.002, 93.190



56, 98.002, 223.190



56, 98.002, 273.190

Sweetspot

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



56, 97.998, 43.192



84, 24.581, 39.705



58, 98.330, 338.172



43, 17.173, 39.758



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, 97.998, 43.192



56, 99.681, 43.176



78, 82.092, 78.698



50, 4.441, 39.756



42, 79.829, 43.594



12, 29.909, 37.452

Inverse Universe

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



76, 43.827, 236.705



76, 44.153, 237.511



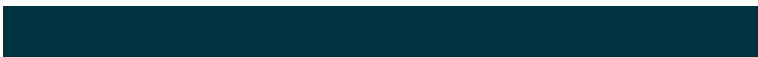
43, 102.552, 298.403



52, 4.184, 220.433



58, 35.489, 236.735



19, 16.166, 231.342

Previews

White Background



This preview shows how the CIELCh color 56, 98.002, 43.190 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, 98.002, 43.190 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, 98.002, 43.190

Background



This preview shows how black text looks on a background with the CIELCh color 56, 98.002, 43.190.



This preview shows how white text looks on a background with the CIELCh color 56, 98.002, 43.190.

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, 98.002, 43.190

Protanopia

56, 54.298, 95.621

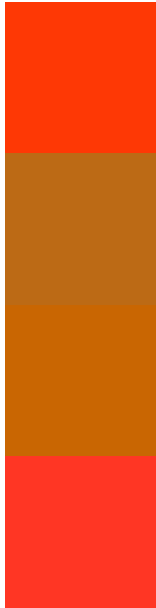
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 88.403, 33.984

Trichromacy



Original Color
56, 98.002, 43.190

Protanomaly
53, 62.268, 64.053

Deuteranomaly
54, 70.779, 60.801

Tritanomaly
56, 92.698, 38.409

Monochromacy



Original Color
56, 98.002, 43.190

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 36.484, 40.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 98.002, 43.190 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, 56, 5)` looks like.

```
.text, #text, p{  
    color:rgb(254, 56, 5)  
}
```

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, 56, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 56, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 98.002, 43.190 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, 56, 5) }
```

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

```
.border{ border-color:rgb(254, 56, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 56, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 56, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 56, 5);  
box-shadow:4px 4px 4px 4px rgb(254, 56, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 98.002, 43.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 56, 5) }
```

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

```
.background{ background-color: rgb(254, 56,  
5) }
```

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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