

Converting Colors

CIELCh(56, 97.286, 43.193)

Have a look what the booklet for
CIELCh(56, 97.286, 43.193) contains.

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Color

CIELCh(56, 97.209, 43.164)

Conversions

Conversions Part 1

Format	Color
Hex	FD3907
RGB	253, 57, 7
RGB Percent	99%, 22%, 3%
CMY	0.0067, 0.7752, 0.9711
CMYK	0.00, 0.77, 0.97, 0.01
HSL	12°, 99%, 51%
HSV	12°, 97%, 99%
XYZ	42.1361, 23.9124, 2.6062
YIQ	109.9040, 132.8660, 26.0020

Conversions

Conversions Part 2

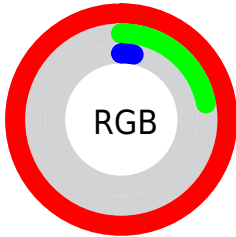
Format	Color
RYB	253, 70, 7
Decimal	16595207
CIELab	56.00, 70.90, 66.50
CIElCh	56, 97.209, 43.164
Yxy	23.9124, 0.6137, 0.3483
Android (android.graphics.Color)	4294785287 (0xFFFD3907)
YUV	109.9040, -50.7317, 125.4952
Hunter-Lab	48.9003, 68.2331, 31.0703

Details

The CIELCh color **56, 97.209, 43.164** 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, 43.605, 235.950**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 71.772, 47.963**, and **39, 82.501, 39.999** is the 20% darker color. If you saturate the color by 10%, you get **55, 99.235, 43.134**, and if you desaturate by 10%, it is **58, 88.676, 43.160**.

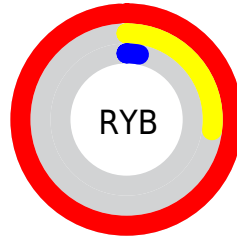
Distribution



Red (99%)

Green (22%)

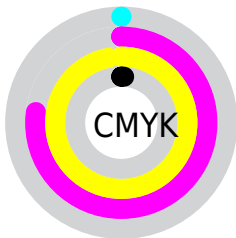
Blue (3%)



Red (99%)

Yellow (27%)

Blue (3%)

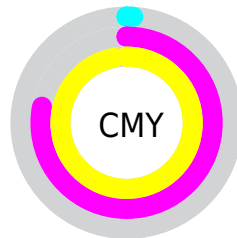


Cyan (0%)

Magenta (77%)

Yellow (97%)

Black (1%)



Cyan (1%)

Magenta (78%)

Yellow (97%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 56, 97.209, 43.164 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, 97.209, 43.164 by changing the saturation by 10% instead.

56, 97.209, 43.164

56, 97.209, 43.164

100, 97.209,
43.164

46, 97.209, 43.164

76, 97.209, 43.164

36, 97.209, 43.164

86, 97.209, 43.164

26, 97.209, 43.164

96, 97.209, 43.164

16, 97.209, 43.164

6, 97.209, 43.164

0, 97.209, 43.164

56, 97.209, 43.164

56, 97.209, 43.164

55, 99.235, 43.134

58, 88.676, 43.160

62, 77.576, 42.346

65, 65.724, 41.391

70, 54.017, 40.586

74, 42.849, 40.013

79, 32.385, 39.668

85, 22.678, 39.515

90, 13.717, 39.511

95, 5.460, 39.576

Harmonies

Complementary

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



56, 97.209, 43.164



76, 43.605, 235.950

Rectangle

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



56, 97.209, 43.164



56, 97.209, 93.164



56, 97.209, 223.164



56, 97.209, 273.164

Sweetspot

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



56, 97.205, 43.166



84, 24.606, 39.531



58, 98.099, 338.064



42, 17.190, 39.589



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, 97.205, 43.166



56, 99.751, 43.126



78, 81.722, 78.926



50, 4.445, 39.565



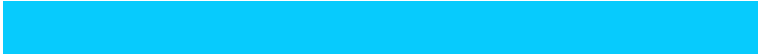
42, 79.887, 43.541



12, 29.934, 37.353

Inverse Universe

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



76, 43.605, 235.950



76, 44.107, 237.132



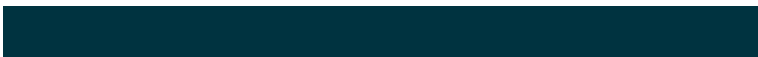
43, 101.297, 298.097



52, 4.188, 220.226



58, 35.455, 236.362



19, 16.161, 231.011

Previews

White Background



This preview shows how the CIELCh color 56, 97.209, 43.164 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, 97.209, 43.164 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, 97.209, 43.164

Background



This preview shows how black text looks on a background with the CIELCh color 56, 97.209, 43.164.



This preview shows how white text looks on a background with the CIELCh color 56, 97.209, 43.164.

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, 97.209, 43.164

Protanopia

56, 53.968, 95.614

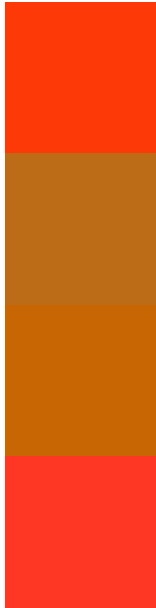
Deuteranopia

56, 61.960, 83.819



Tritanopia
56, 87.607, 33.804

Trichromacy



Original Color
56, 97.209, 43.164

Protanomaly
53, 61.933, 64.438

Deuteranomaly
54, 70.267, 60.939

Tritanomaly
56, 91.919, 38.324

Monochromacy



Original Color
56, 97.209, 43.164

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 35.651, 40.268

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 97.209, 43.164 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, 7)` looks like.

```
.text, #text, p{  
    color:rgb(253, 57, 7)  
}
```

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, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 57, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 97.209, 43.164 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, 7) }
```

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

```
.border{ border-color:rgb(253, 57, 7) }
```

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, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 57, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 57, 7);  
box-shadow:4px 4px 4px 4px rgb(253, 57, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 56, 97.209, 43.164 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, 7) }
```

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

```
.background{ background-color: rgb(253, 57,  
7) }
```

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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