

Converting Colors

CIELCh(58, 94.121, 46.605)

Have a look what the booklet for
CIELCh(58, 94.121, 46.605) contains.

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Color

CIELCh(58, 94.224, 46.552)

Conversions

Conversions Part 1

Format	Color
Hex	FD4C03
RGB	253, 76, 3
RGB Percent	99%, 30%, 1%
CMY	0.0091, 0.7030, 0.9897
CMYK	0.00, 0.70, 0.99, 0.01
HSL	18°, 98%, 50%
HSV	18°, 99%, 99%
XYZ	42.9752, 25.9610, 2.8209
YIQ	120.6010, 128.9250, 14.8210

Conversions

Conversions Part 2

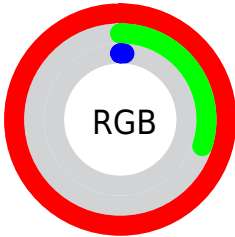
Format	Color
R_{YB}	253, 106, 3
Decimal	16600067
CIE _{Lab}	58.00, 64.80, 68.41
CIE _{LCh}	58, 94.224, 46.552
Yxy	25.9610, 0.5989, 0.3618
Android (android.graphics.Color)	4294790147 (0xFFFD4C03)
YUV	120.6010, -57.9773, 116.1139
Hunter-Lab	50.9519, 61.3892, 32.3838

Details

The CIELCh color **58, 94.224, 46.552** 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 **69, 48.215, 255.234**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 69.286, 53.460**, and **39, 82.832, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **58, 94.956, 46.445**, and if you desaturate by 10%, it is **61, 86.424, 47.763**.

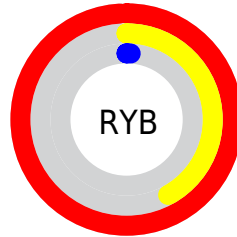
Distribution



Red (99%)

Green (30%)

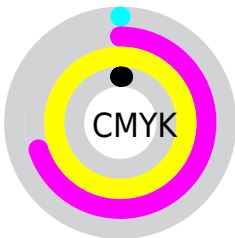
Blue (1%)



Red (99%)

Yellow (42%)

Blue (1%)

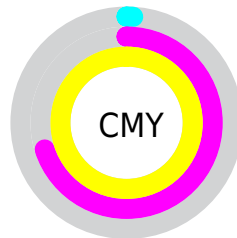


Cyan (0%)

Magenta (70%)

Yellow (99%)

Black (1%)



Cyan (1%)

Magenta (70%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 94.224, 46.552 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 58, 94.224, 46.552 by changing the saturation by 10% instead.

58, 94.224, 46.552

58, 94.224, 46.552

100, 94.224,
46.552

48, 94.224, 46.552

78, 94.224, 46.552

38, 94.224, 46.552

88, 94.224, 46.552

28, 94.224, 46.552

98, 94.224, 46.552

18, 94.224, 46.552

8, 94.224, 46.552

0, 94.224, 46.552

58, 94.224, 46.552

58, 94.224, 46.552

58, 94.956, 46.445

61, 86.424, 47.763

64, 76.117, 48.144

67, 64.859, 48.184

71, 53.643, 48.208

76, 42.907, 48.335

80, 32.827, 48.592

85, 23.449, 48.972

90, 14.759, 49.447

95, 6.712, 49.967

Harmonies

Complementary

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



58, 94.224, 46.552



69, 48.215, 255.234

Rectangle

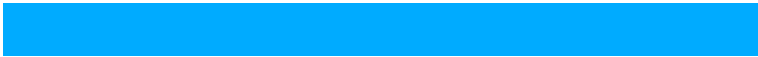
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



58, 94.224, 46.552



58, 94.224, 96.552



58, 94.224, 226.552



58, 94.224, 276.552

Sweetspot

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



58, 94.221, 46.554



85, 24.569, 48.927



56, 92.335, 343.875



43, 17.046, 48.758



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 94.221, 46.554



58, 95.630, 46.430



83, 83.957, 86.218



51, 4.297, 49.940



44, 76.531, 46.988



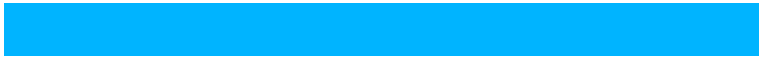
13, 28.657, 43.250

Inverse Universe

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



69, 48.215, 255.234



69, 48.828, 255.776



38, 114.961, 302.141



51, 4.078, 231.394



53, 39.020, 254.816



17, 17.107, 247.862

Previews

White Background



This preview shows how the CIELCh color 58, 94.224, 46.552 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 58, 94.224, 46.552 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 58, 94.224, 46.552

Background



This preview shows how black text looks on a background with the CIELCh color 58, 94.224, 46.552.



This preview shows how white text looks on a background with the CIELCh color 58, 94.224, 46.552.

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

58, 94.224, 46.552

Protanopia

58, 56.873, 95.421

Deuteranopia

58, 63.614, 84.009



Tritanopia
58, 79.310, 30.365

Trichromacy



Original Color
58, 94.224, 46.552

Protanomaly
56, 63.428, 68.807

Deuteranomaly
57, 70.705, 64.440

Tritanomaly
58, 85.759, 38.791

Monochromacy



Original Color
58, 94.224, 46.552

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 34.506, 48.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 94.224, 46.552 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, 76, 3)` looks like.

```
.text, #text, p{  
    color:rgb(253, 76, 3)  
}
```

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, 76, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 76, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 94.224, 46.552 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, 76, 3) }
```

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

```
.border{ border-color:rgb(253, 76, 3) }
```

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

Here you see how a box with a 4 pixel rgb(253, 76, 3) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 76, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 76, 3);  
box-shadow:4px 4px 4px 4px rgb(253, 76, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 58, 94.224, 46.552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 76, 3) }
```

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

```
.background{ background-color: rgb(253, 76,  
3) }
```

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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