

Converting Colors

CIELCh(58, 93.057, 42.765)

Have a look what the booklet for
CIELCh(58, 93.057, 42.765) contains.

CIELCh(58, 92.309, 42.820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(58, 92.309, 42.820)

Conversions

Conversions Part 1

Format	Color
Hex	FF471B
RGB	255, 71, 27
RGB Percent	100%, 28%, 11%
CMY	0.0000, 0.7225, 0.8954
CMYK	0.00, 0.72, 0.90, 0.00
HSL	12°, 100%, 55%
HSV	12°, 90%, 100%
XYZ	43.9604, 25.9610, 3.7109
YIQ	121.0000, 123.7880, 25.3240

Conversions

Conversions Part 2

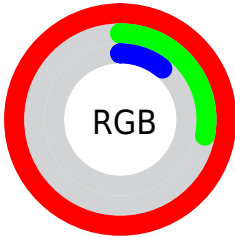
Format	Color
RYB	255, 82, 27
Decimal	16729883
CIELab	58.00, 67.71, 62.74
CIELCh	58, 92.309, 42.820
Yxy	25.9610, 0.5970, 0.3526
Android (android.graphics.Color)	4294919963 (0xFFFF471B)
YUV	121.0000, -46.3420, 117.5180
Hunter-Lab	50.9519, 64.8407, 31.3482

Details

The CIELCh color **58, 92.309, 42.820** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **78, 42.931, 231.001**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **68, 65.484, 47.977**, and **39, 83.490, 40.000** is the 20% darker color. If you saturate the color by 10%, you get **56, 99.833, 42.828**, and if you desaturate by 10%, it is **61, 81.274, 42.024**.

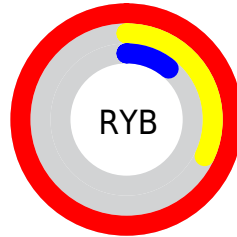
Distribution



Red (100%)

Green (28%)

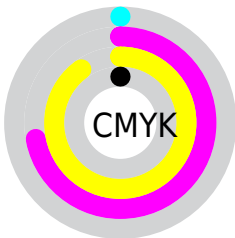
Blue (11%)



Red (100%)

Yellow (32%)

Blue (11%)

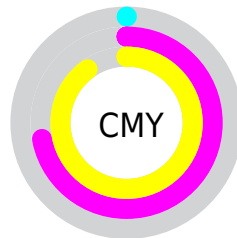


Cyan (0%)

Magenta (72%)

Yellow (90%)

Black (0%)



Cyan (0%)

Magenta (72%)

Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 92.309, 42.820 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, 92.309, 42.820 by changing the saturation by 10% instead.

 58, 92.309, 42.820

 58, 92.309, 42.820

 100, 92.309,
42.820

 48, 92.309, 42.820

 78, 92.309, 42.820

 38, 92.309, 42.820

 88, 92.309, 42.820

 28, 92.309, 42.820

 98, 92.309, 42.820

 18, 92.309, 42.820

 8, 92.309, 42.820


 0, 92.309, 42.820

 58, 92.309, 42.820

 58, 92.309, 42.820

 56, 99.833, 42.828

 61, 81.274, 42.024

 56, 100.153,

 64, 69.396, 40.943

42.838

69, 57.491, 39.984

73, 46.049, 39.264

78, 35.283, 38.790

84, 25.274, 38.528

89, 16.026, 38.434

95, 7.504, 38.445

100, 0.012,
296.813

Harmonies

Complementary

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



58, 92.309, 42.820



78, 42.931, 231.001

Rectangle

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



58, 92.309, 42.820



58, 92.309, 92.820



58, 92.309, 222.820



58, 92.309, 272.820

Sweetspot

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



58, 92.019, 42.847



85, 22.852, 38.490



59, 99.021, 336.343



43, 15.623, 38.543



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, 92.019, 42.847



56, 100.153, 42.838



79, 79.636, 79.156



50, 4.471, 38.445



42, 80.221, 43.236



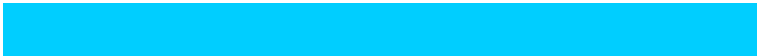
12, 30.082, 36.781

Inverse Universe

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



78, 42.931, 231.001



77, 43.873, 234.895



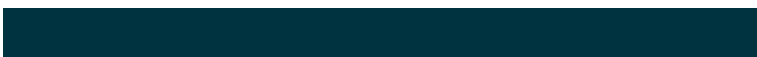
47, 90.998, 294.586



52, 4.210, 219.015



59, 35.286, 234.160



19, 16.138, 229.070

Previews

White Background



This preview shows how the CIELCh color 58, 92.309, 42.820 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, 92.309, 42.820 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, 92.309, 42.820

Background



This preview shows how black text looks on a background with the CIELCh color 58, 92.309, 42.820.



This preview shows how white text looks on a background with the CIELCh color 58, 92.309, 42.820.

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, 91.900, 42.836

Protanopia

58, 51.533, 95.781

Deuteranopia

58, 63.498, 83.494



Tritanopia
58, 81.294, 31.194

Trichromacy



Original Color
58, 91.900, 42.836

Protanomaly
56, 58.254, 65.129

Deuteranomaly
56, 69.840, 62.657

Tritanomaly
58, 85.273, 36.377

Monochromacy



Original Color
58, 91.900, 42.836

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 32.393, 39.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 92.309, 42.820 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(255, 71, 27)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 27)  
}
```

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(255, 71, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 92.309, 42.820 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(255, 71, 27) }
```

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

```
.border{ border-color:rgb(255, 71, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 27);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
27) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 92.309, 42.820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 27) }
```

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

```
.background{ background-color: rgb(255, 71,  
27) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor