

Converting Colors

CIELCh(58, 87.143, 42.606)

Have a look what the booklet for
CIELCh(58, 87.143, 42.606) contains.

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Color

CIELCh(58, 87.071, 42.484)

Conversions

Conversions Part 1

Format	Color
Hex	FB4D24
RGB	251, 77, 36
RGB Percent	98%, 30%, 14%
CMY	0.0155, 0.6978, 0.8587
CMYK	0.00, 0.69, 0.86, 0.02
HSL	11°, 96%, 56%
HSV	11°, 86%, 98%
XYZ	42.7788, 25.9610, 4.4285
YIQ	124.3520, 116.8650, 24.1370

Conversions

Conversions Part 2

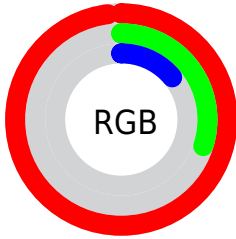
Format	Color
R_{YB}	251, 87, 36
Decimal	16469284
CIE _{Lab}	58.00, 64.21, 58.81
CIE _{LCh}	58, 87.071, 42.484
Yxy	25.9610, 0.5847, 0.3548
Android (android.graphics.Color)	4294659364 (0xFFFB4D24)
YUV	124.3520, -43.5575, 111.0703
Hunter-Lab	50.9519, 60.7010, 30.5132

Details

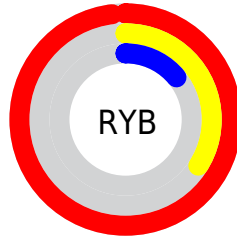
The CIELCh color **58, 87.071, 42.484** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **78, 41.908, 229.231**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 62.342, 47.984**, and **38, 82.169, 39.998** is the 20% darker color. If you saturate the color by 10%, you get **56, 96.036, 42.817**, and if you desaturate by 10%, it is **61, 75.818, 41.460**.

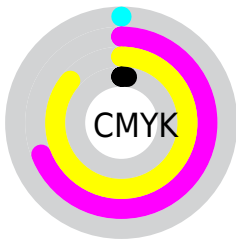
Distribution



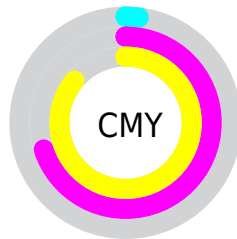
- Red (98%)
- Green (30%)
- Blue (14%)



- Red (98%)
- Yellow (34%)
- Blue (14%)



- Cyan (0%)
- Magenta (69%)
- Yellow (86%)
- Black (2%)



- Cyan (2%)
- Magenta (70%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 87.071, 42.484 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, 87.071, 42.484 by changing the saturation by 10% instead.

 58, 87.071, 42.484

 58, 87.071, 42.484

 100, 87.071,
42.484

 48, 87.071, 42.484

 78, 87.071, 42.484

 38, 87.071, 42.484

 88, 87.071, 42.484

 28, 87.071, 42.484

 98, 87.071, 42.484

 18, 87.071, 42.484

 8, 87.071, 42.484

 0, 87.071, 42.484

 58, 87.071, 42.484

 58, 87.071, 42.484

 56, 96.036, 42.817

 61, 75.818, 41.460

 55, 99.039, 42.793

 65, 63.983, 40.375

69, 52.358, 39.484

74, 41.294, 38.844

79, 30.938, 38.442

84, 21.338, 38.238

90, 12.479, 38.182

95, 4.319, 38.174

100, 1.371,
199.801

Harmonies

Complementary

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



58, 87.071, 42.484



78, 41.908, 229.231

Rectangle

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



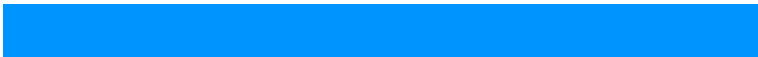
58, 87.071, 42.484



58, 87.071, 92.484



58, 87.071, 222.484



58, 87.071, 272.484

Sweetspot

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



58, 87.068, 42.486



85, 21.944, 38.242



59, 96.799, 335.983



44, 15.095, 38.296



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, 87.068, 42.486



56, 100.243, 42.774



79, 76.820, 79.991



49, 4.403, 38.189



41, 79.474, 43.190



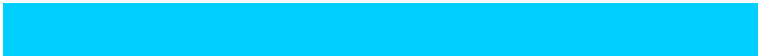
11, 28.867, 36.004

Inverse Universe

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



78, 41.908, 229.231



77, 43.827, 234.378



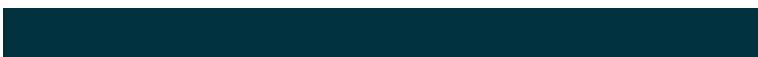
49, 85.562, 293.154



51, 4.146, 218.737



58, 34.901, 233.613



18, 15.710, 228.350

Previews

White Background



This preview shows how the CIELCh color 58, 87.071, 42.484 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, 87.071, 42.484 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, 87.071, 42.484

Background



This preview shows how black text looks on a background with the CIELCh color 58, 87.071, 42.484.



This preview shows how white text looks on a background with the CIELCh color 58, 87.071, 42.484.

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, 87.071, 42.484

Protanopia

58, 47.756, 95.619

Deuteranopia

58, 63.680, 83.099



Tritanopia
58, 77.627, 29.975

Trichromacy



Original Color
58, 87.071, 42.484

Protanomaly
56, 54.600, 64.707

Deuteranomaly
57, 68.803, 63.554

Tritanomaly
58, 81.216, 35.290

Monochromacy



Original Color
58, 87.071, 42.484

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 30.099, 38.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 87.071, 42.484 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(251, 77, 36)` looks like.

```
.text, #text, p{  
    color:rgb(251, 77, 36)  
}
```

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(251, 77, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 77, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 87.071, 42.484 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(251, 77, 36) }
```

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

```
.border{ border-color:rgb(251, 77, 36) }
```

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

Here you see how a box with a 4 pixel rgb(251, 77, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 77, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 77, 36);  
box-shadow:4px 4px 4px 4px rgb(251, 77,  
36) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 87.071, 42.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 77, 36) }
```

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

```
.background{ background-color: rgb(251, 77,  
36) }
```

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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