

Converting Colors

CIELCh(58, 82.561, 40.693)

Have a look what the booklet for
CIELCh(58, 82.561, 40.693) contains.

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Color

CIELCh(58, 82.324, 40.705)

Conversions

Conversions Part 1

Format	Color
Hex	F8502F
RGB	248, 80, 47
RGB Percent	97%, 31%, 18%
CMY	0.0267, 0.6856, 0.8151
CMYK	0.00, 0.68, 0.81, 0.03
HSL	10°, 94%, 58%
HSV	10°, 81%, 97%
XYZ	42.1774, 25.9610, 5.4923
YIQ	126.4700, 110.7210, 25.3530

Conversions

Conversions Part 2

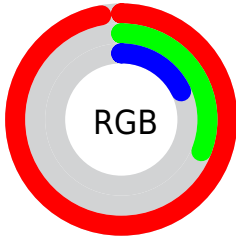
Format	Color
R_{YB}	248, 86, 47
Decimal	16273455
CIE _{Lab}	58.00, 62.41, 53.69
CIE _{LCh}	58, 82.324, 40.705
Yxy	25.9610, 0.5728, 0.3526
Android (android.graphics.Color)	4294463535 (0xFFFF8502F)
YUV	126.4700, -39.1787, 106.5818
Hunter-Lab	50.9519, 58.5943, 29.2752

Details

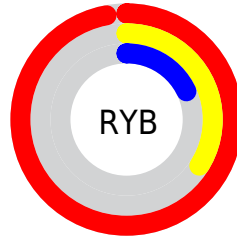
The CIELCh color **58, 82.324, 40.705** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **80, 40.951, 222.905**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 58.744, 45.293**, and **38, 81.502, 39.993** is the 20% darker color. If you saturate the color by 10%, you get **55, 92.539, 41.829**, and if you desaturate by 10%, it is **61, 70.704, 39.275**.

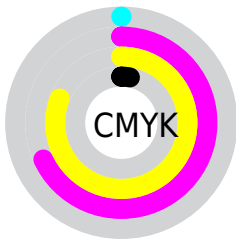
Distribution



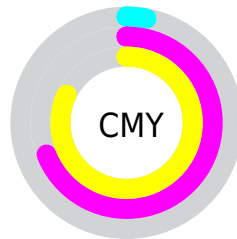
- Red (97%)
- Green (31%)
- Blue (18%)



- Red (97%)
- Yellow (34%)
- Blue (18%)



- Cyan (0%)
- Magenta (68%)
- Yellow (81%)
- Black (3%)



- Cyan (3%)
- Magenta (69%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 82.324, 40.705 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, 82.324, 40.705 by changing the saturation by 10% instead.

 58, 82.324, 40.705

 58, 82.324, 40.705

 100, 82.324,
40.705

 48, 82.324, 40.705

 78, 82.324, 40.705

 38, 82.324, 40.705

 88, 82.324, 40.705

 28, 82.324, 40.705

 98, 82.324, 40.705

 18, 82.324, 40.705

 8, 82.324, 40.705

 0, 82.324, 40.705

 58, 82.324, 40.705

 58, 82.324, 40.705

 55, 92.539, 41.829

 61, 70.704, 39.275

 54, 99.118, 42.134

 66, 58.909, 37.984

70, 47.483, 36.971

75, 36.678, 36.245

80, 26.599, 35.768

86, 17.273, 35.486

91, 8.676, 35.339

97, 0.759, 34.571

100, 2.359,
199.536

Harmonies

Complementary

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



58, 82.324, 40.705



80, 40.951, 222.905

Rectangle

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



58, 82.324, 40.705



58, 82.324, 90.705



58, 82.324, 220.705



58, 82.324, 270.705

Sweetspot

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



58, 82.321, 40.707



86, 20.434, 35.554



59, 96.324, 334.008



44, 14.252, 35.652



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, 82.321, 40.707



55, 99.195, 41.999



77, 72.675, 77.992



49, 4.478, 35.321



41, 80.281, 42.473



11, 29.250, 34.572

Inverse Universe

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



80, 40.951, 222.905



79, 43.392, 227.508



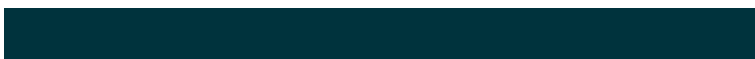
52, 75.602, 289.281



51, 4.213, 215.630



60, 34.719, 227.826



19, 15.746, 223.337

Previews

White Background



This preview shows how the CIELCh color 58, 82.324, 40.705 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, 82.324, 40.705 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, 82.324, 40.705

Background



This preview shows how black text looks on a background with the CIELCh color 58, 82.324, 40.705.



This preview shows how white text looks on a background with the CIELCh color 58, 82.324, 40.705.

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, 82.324, 40.705

Protanopia

58, 42.589, 95.861

Deuteranopia

58, 56.970, 82.685



Tritanopia
58, 74.854, 29.004

Trichromacy



Original Color
58, 82.324, 40.705

Protanomaly
56, 49.559, 63.044

Deuteranomaly
57, 61.748, 61.703

Tritanomaly
58, 77.319, 33.874

Monochromacy



Original Color
58, 82.324, 40.705

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 28.286, 36.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 82.324, 40.705 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(248, 80, 47)` looks like.

```
.text, #text, p{  
    color:rgb(248, 80, 47)  
}
```

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(248, 80, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 80, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 82.324, 40.705 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(248, 80, 47) }
```

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

```
.border{ border-color:rgb(248, 80, 47) }
```

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

Here you see how a box with a 4 pixel rgb(248, 80, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 80, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 80, 47);  
box-shadow:4px 4px 4px 4px rgb(248, 80,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 82.324, 40.705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 80, 47) }
```

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

```
.background{ background-color: rgb(248, 80,  
47) }
```

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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