

Converting Colors

CIELCh(64, 58.039, 38.184)

Have a look what the booklet for
CIELCh(64, 58.039, 38.184) contains.

CIELCh(64, 57.949, 37.835)	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(64, 57.949, 37.835)

Conversions

Conversions Part 1

Format	Color
Hex	F2765E
RGB	242, 118, 94
RGB Percent	95%, 46%, 37%
CMY	0.0494, 0.5359, 0.6301
CMYK	0.00, 0.51, 0.61, 0.05
HSL	10°, 85%, 66%
HSV	10°, 61%, 95%
XYZ	45.3114, 32.8017, 14.6079
YIQ	152.3400, 81.6080, 18.8240

Conversions

Conversions Part 2

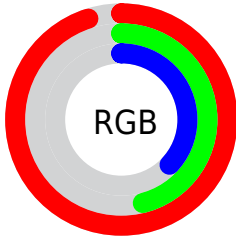
Format	Color
RYB	242, 123, 94
Decimal	15890014
CIELab	64.00, 45.77, 35.55
CIElCh	64, 57.949, 37.835
Yxy	32.8017, 0.4887, 0.3538
Android (android.graphics.Color)	4294080094 (0xFFFF2765E)
YUV	152.3400, -28.7616, 78.6318
Hunter-Lab	57.2727, 40.9930, 24.9685

Details

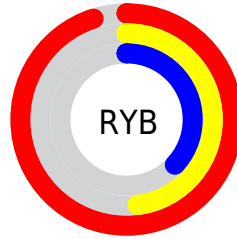
The CIELCh color **64, 57.949, 37.835** is a light color, and the websafe version is hex **FF6666**. The color can be described as light muted orange. A complement of this color would be **81, 35.238, 218.796**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 37.799, 44.716**, and **44, 57.796, 37.809** is the 20% darker color. If you saturate the color by 10%, you get **60, 69.525, 39.150**, and if you desaturate by 10%, it is **68, 46.726, 36.808**.

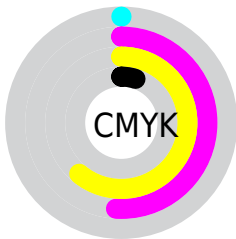
Distribution



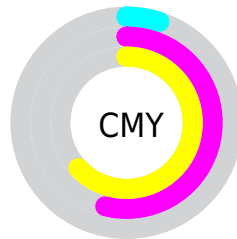
- Red (95%)
- Green (46%)
- Blue (37%)



- Red (95%)
- Yellow (48%)
- Blue (37%)



- Cyan (0%)
- Magenta (51%)
- Yellow (61%)
- Black (5%)



- Cyan (5%)
- Magenta (54%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 57.949, 37.835 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 64, 57.949, 37.835 by changing the saturation by 10% instead.

64, 57.949, 37.835

64, 57.949, 37.835

100, 57.949,
37.835

54, 57.949, 37.835

84, 57.949, 37.835

44, 57.949, 37.835

94, 57.949, 37.835

34, 57.949, 37.835

24, 57.949, 37.835

14, 57.949, 37.835

4, 57.949, 37.835

0, 57.949, 37.835

64, 57.949, 37.835

64, 57.949, 37.835

60, 69.525, 39.150

68, 46.726, 36.808

57, 80.925, 40.606

73, 36.111, 36.067

54, 90.952, 41.756

79, 26.208, 35.576

52, 97.396, 42.111

84, 17.042, 35.282

89, 8.592, 35.124

95, 0.809, 34.412

99, 4.344, 199.282

Harmonies

Complementary

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



64, 57.949, 37.835



81, 35.238, 218.796

Rectangle

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



64, 57.949, 37.835



64, 57.949, 87.835



64, 57.949, 217.835



64, 57.949, 267.835

Sweetspot

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



64, 57.947, 37.838



90, 14.961, 35.224



63, 79.644, 332.684



46, 10.525, 35.280



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 57.947, 37.838



62, 74.783, 39.454



80, 55.294, 81.386



48, 4.409, 35.104



40, 79.508, 42.442



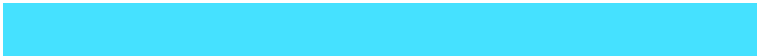
10, 28.022, 33.711

Inverse Universe

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



81, 35.238, 218.796



83, 40.234, 220.825



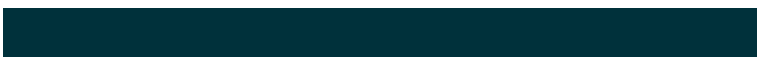
61, 54.782, 282.346



50, 4.148, 215.394



59, 34.369, 227.347



18, 15.330, 222.710

Previews

White Background



This preview shows how the CIELCh color 64, 57.949, 37.835 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 64, 57.949, 37.835 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 57.949, 37.835

Background



This preview shows how black text looks on a background with the CIELCh color 64, 57.949, 37.835.



This preview shows how white text looks on a background with the CIELCh color 64, 57.949, 37.835.

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

64, 57.949, 37.835

Protanopia

64, 25.979, 95.020

Deuteranopia

64, 38.002, 76.847



Tritanopia
64, 54.351, 21.532

Trichromacy



Original Color
64, 57.949, 37.835

Protanomaly
63, 32.092, 61.181

Deuteranomaly
64, 42.410, 57.493

Tritanomaly
64, 54.781, 27.899

Monochromacy



Original Color
64, 57.949, 37.835

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 19.722, 34.136

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 57.949, 37.835 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(242, 118, 94)` looks like.

```
.text, #text, p{  
    color:rgb(242, 118, 94)  
}
```

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(242, 118, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 118, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 57.949, 37.835 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(242, 118, 94) }
```

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

```
.border{ border-color:rgb(242, 118, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 118, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 118, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 118, 94);  
box-shadow:4px 4px 4px 4px rgb(242, 118,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 57.949, 37.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 118, 94) }
```

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

```
.background{ background-color: rgb(242,  
118, 94) }
```

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