

Converting Colors

CIELCh(58, 72.775, 47.791)

Have a look what the booklet for
CIELCh(58, 72.775, 47.791) contains.

CIELCh(58, 72.875, 47.876)	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, 72.875, 47.876)

Conversions

Conversions Part 1

Format	Color
Hex	E7622C
RGB	231, 98, 44
RGB Percent	91%, 38%, 17%
CMY	0.0935, 0.6151, 0.8269
CMYK	0.00, 0.58, 0.81, 0.09
HSL	17°, 80%, 54%
HSV	17°, 81%, 91%
XYZ	37.8464, 25.9610, 5.4120
YIQ	131.6110, 96.6020, 11.4020

Conversions

Conversions Part 2

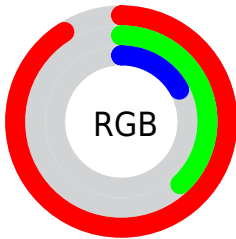
Format	Color
R _Y B	231, 120, 44
Decimal	15163948
CIE Lab	58.00, 48.88, 54.05
CIE LCh	58, 72.875, 47.876
Yxy	25.9610, 0.5468, 0.3751
Android (android.graphics.Color)	4293354028 (0xFFE7622C)
YUV	131.6110, -43.1922, 87.1642
Hunter-Lab	50.9519, 43.4216, 29.3687

Details

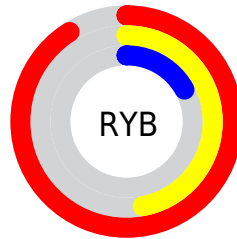
The CIELCh color **58, 72.875, 47.876** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **68, 40.396, 245.869**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 57.345, 54.180**, and **38, 70.368, 45.943** is the 20% darker color. If you saturate the color by 10%, you get **55, 82.223, 47.442**, and if you desaturate by 10%, it is **61, 62.433, 47.905**.

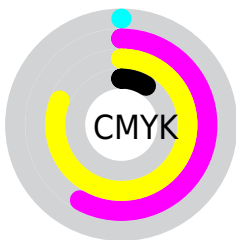
Distribution



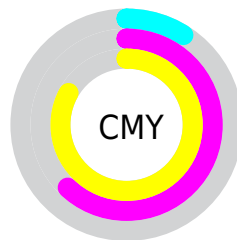
- Red (91%)
- Green (38%)
- Blue (17%)



- Red (91%)
- Yellow (47%)
- Blue (17%)



- Cyan (0%)
- Magenta (58%)
- Yellow (81%)
- Black (9%)



- Cyan (9%)
- Magenta (62%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 72.875, 47.876 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, 72.875, 47.876 by changing the saturation by 10% instead.

58, 72.875, 47.876

58, 72.875, 47.876

100, 72.875,
47.876

48, 72.875, 47.876

78, 72.875, 47.876

38, 72.875, 47.876

88, 72.875, 47.876

28, 72.875, 47.876

98, 72.875, 47.876

18, 72.875, 47.876

8, 72.875, 47.876

0, 72.875, 47.876

58, 72.875, 47.876

58, 72.875, 47.876

55, 82.223, 47.442

61, 62.433, 47.905

53, 88.780, 46.440

65, 51.931, 47.887

69, 41.832, 47.963

73, 32.327, 48.172

77, 23.472, 48.508

82, 15.262, 48.946

87, 7.659, 49.445

91, 0.611, 49.186

96, 5.941, 230.856

Harmonies

Complementary

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



58, 72.875, 47.876



68, 40.396, 245.869

Rectangle

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



58, 72.875, 47.876



58, 72.875, 97.876



58, 72.875, 227.876



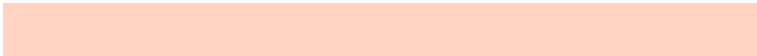
58, 72.875, 277.876

Sweetspot

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



58, 72.873, 47.879



88, 19.211, 48.795



54, 83.284, 340.849



45, 13.386, 48.638



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, 72.873, 47.879



59, 93.695, 46.626



79, 72.536, 89.163



46, 3.942, 49.517



41, 72.708, 46.982



9, 22.421, 39.724

Inverse Universe

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



68, 40.396, 245.869



70, 47.808, 253.585



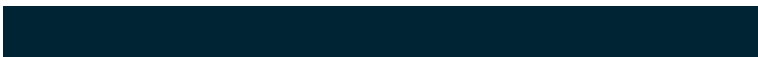
42, 86.963, 296.757



46, 3.742, 230.929



50, 36.791, 253.862



13, 14.592, 244.937

Previews

White Background



This preview shows how the CIELCh color 58, 72.875, 47.876 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, 72.875, 47.876 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, 72.875, 47.876

Background



This preview shows how black text looks on a background with the CIELCh color 58, 72.875, 47.876.



This preview shows how white text looks on a background with the CIELCh color 58, 72.875, 47.876.

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, 72.875, 47.876

Protanopia

58, 46.416, 95.541

Deuteranopia

58, 56.648, 82.610



Tritanopia
58, 60.580, 24.775

Trichromacy



Original Color
58, 72.875, 47.876

Protanomaly
57, 50.267, 71.837

Deuteranomaly
57, 59.754, 66.888

Tritanomaly
58, 63.975, 34.833

Monochromacy



Original Color
58, 72.875, 47.876

Achromatopsia
55, 0.007, 296.813

Achromatomaly
55, 24.503, 48.756

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 72.875, 47.876 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(231, 98, 44)` looks like.

```
.text, #text, p{  
    color:rgb(231, 98, 44)  
}
```

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(231, 98, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 98, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 72.875, 47.876 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(231, 98, 44) }
```

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

```
.border{ border-color:rgb(231, 98, 44) }
```

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

Here you see how a box with a 4 pixel rgb(231, 98, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 98, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 98, 44);  
box-shadow:4px 4px 4px 4px rgb(231, 98,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 72.875, 47.876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 98, 44) }
```

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

```
.background{ background-color: rgb(231, 98,  
44) }
```

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