

Converting Colors

CIELCh(58, 74.950, 49.486)

Have a look what the booklet for
CIELCh(58, 74.950, 49.486) contains.

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Color

CIELCh(58, 74.947, 49.487)

Conversions

Conversions Part 1

Format	Color
Hex	E76225
RGB	231, 98, 37
RGB Percent	91%, 38%, 15%
CMY	0.0929, 0.6146, 0.8539
CMYK	0.00, 0.58, 0.84, 0.09
HSL	19°, 80%, 53%
HSV	19°, 84%, 91%
XYZ	37.7869, 25.9610, 4.7909
YIQ	130.8130, 98.8490, 9.2250

Conversions

Conversions Part 2

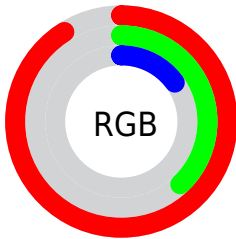
Format	Color
RYB	231, 126, 37
Decimal	15163941
CIELab	58.00, 48.69, 56.98
CIELCh	58, 74.947, 49.487
Yxy	25.9610, 0.5513, 0.3788
Android (android.graphics.Color)	4293354021 (0xFFE76225)
YUV	130.8130, -46.2498, 87.8640
Hunter-Lab	50.9519, 43.2131, 30.0915

Details

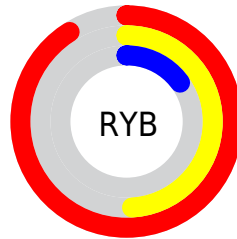
The CIELCh color **58, 74.947, 49.487** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **66, 42.389, 251.656**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 59.541, 56.113**, and **38, 70.368, 45.943** is the 20% darker color. If you saturate the color by 10%, you get **55, 83.466, 48.522**, and if you desaturate by 10%, it is **61, 64.879, 49.862**.

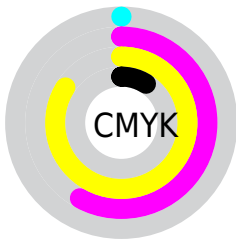
Distribution



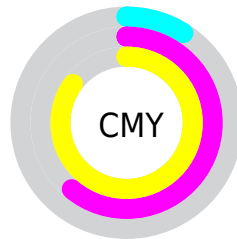
- Red (91%)
- Green (38%)
- Blue (15%)



- Red (91%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (58%)
- Yellow (84%)
- Black (9%)



- Cyan (9%)
- Magenta (61%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 74.947, 49.487 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, 74.947, 49.487 by changing the saturation by 10% instead.

58, 74.947, 49.487

58, 74.947, 49.487

100, 74.947,
49.487

48, 74.947, 49.487

78, 74.947, 49.487

38, 74.947, 49.487

88, 74.947, 49.487

28, 74.947, 49.487

98, 74.947, 49.487

18, 74.947, 49.487

8, 74.947, 49.487

0, 74.947, 49.487

58, 74.947, 49.487

58, 74.947, 49.487

55, 83.466, 48.522

61, 64.879, 49.862

54, 87.615, 47.646

65, 54.497, 50.078

68, 44.396, 50.330

72, 34.826, 50.682

77, 25.875, 51.143

81, 17.552, 51.696

85, 9.827, 52.311

90, 2.652, 52.856

95, 4.030, 233.938

Harmonies

Complementary

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



58, 74.947, 49.487



66, 42.389, 251.656

Rectangle

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



58, 74.947, 49.487



58, 74.947, 99.487



58, 74.947, 229.487



58, 74.947, 279.487

Sweetspot

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



58, 74.945, 49.490



88, 19.971, 51.623



53, 83.529, 342.280



45, 13.811, 51.422



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, 74.945, 49.490



59, 94.507, 47.466



79, 74.800, 90.027



46, 3.926, 52.587



42, 71.720, 48.223



10, 22.108, 41.884

Inverse Universe

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



66, 42.389, 251.656



68, 50.668, 259.866



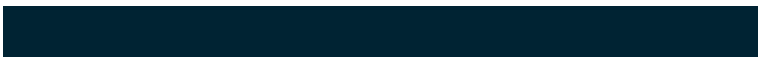
40, 92.532, 298.420



46, 3.738, 234.204



49, 38.310, 258.615



12, 14.961, 249.374

Previews

White Background



This preview shows how the CIELCh color 58, 74.947, 49.487 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, 74.947, 49.487 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, 74.947, 49.487

Background



This preview shows how black text looks on a background with the CIELCh color 58, 74.947, 49.487.



This preview shows how white text looks on a background with the CIELCh color 58, 74.947, 49.487.

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, 74.947, 49.487

Protanopia

58, 49.483, 95.703

Deuteranopia

58, 59.991, 82.885



Tritanopia
58, 60.580, 24.775

Trichromacy



Original Color
58, 74.947, 49.487

Protanomaly
57, 53.069, 73.204

Deuteranomaly
57, 62.829, 67.910

Tritanomaly
58, 64.507, 35.673

Monochromacy



Original Color
58, 74.947, 49.487

Achromatopsia
55, 0.007, 296.813

Achromatomaly
54, 25.236, 50.792

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 74.947, 49.487 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, 37)` looks like.

```
.text, #text, p{  
    color:rgb(231, 98, 37)  
}
```

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, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 98, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 74.947, 49.487 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, 37) }
```

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

```
.border{ border-color:rgb(231, 98, 37) }
```

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, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 98, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 98, 37);  
box-shadow:4px 4px 4px 4px rgb(231, 98,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 74.947, 49.487 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, 37) }
```

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

```
.background{ background-color: rgb(231, 98,  
37) }
```

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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