

Converting Colors

CIELCh(57, 75.607, 42.274)

Have a look what the booklet for
CIELCh(57, 75.607, 42.274) contains.

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Color

CIELCh(57, 75.264, 42.240)

Conversions

Conversions Part 1

Format	Color
Hex	EC5732
RGB	236, 87, 50
RGB Percent	93%, 34%, 20%
CMY	0.0740, 0.6583, 0.8035
CMYK	0.00, 0.63, 0.79, 0.07
HSL	12°, 83%, 56%
HSV	12°, 79%, 93%
XYZ	38.6328, 24.9227, 5.8034
YIQ	127.3330, 100.6810, 20.0810

Conversions

Conversions Part 2

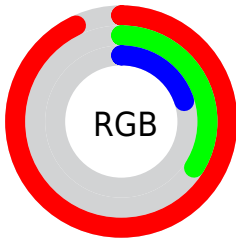
Format	Color
R _Y B	236, 96, 50
Decimal	15488818
CIE Lab	57.00, 55.72, 50.60
CIE LCh	57, 75.264, 42.240
Yxy	24.9227, 0.5570, 0.3593
Android (android.graphics.Color)	4293678898 (0xFFEC5732)
YUV	127.3330, -38.1252, 95.3010
Hunter-Lab	49.9226, 50.7683, 28.0535

Details

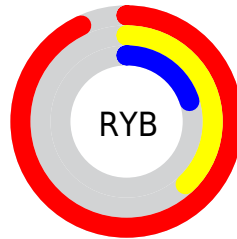
The CIELCh color **57, 75.264, 42.240** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **75, 38.856, 228.667**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 56.923, 46.756**, and **37, 75.139, 42.283** is the 20% darker color. If you saturate the color by 10%, you get **54, 85.546, 43.045**, and if you desaturate by 10%, it is **60, 64.082, 41.237**.

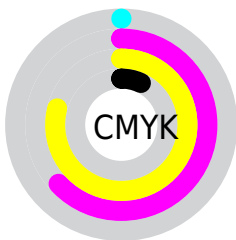
Distribution



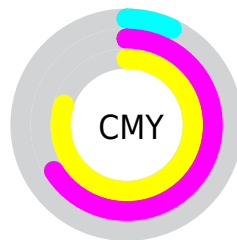
- Red (93%)
- Green (34%)
- Blue (20%)



- Red (93%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (63%)
- Yellow (79%)
- Black (7%)



- Cyan (7%)
- Magenta (66%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 75.264, 42.240 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 57, 75.264, 42.240 by changing the saturation by 10% instead.

57, 75.264, 42.240

57, 75.264, 42.240

100, 75.264,
42.240

47, 75.264, 42.240

77, 75.264, 42.240

37, 75.264, 42.240

87, 75.264, 42.240

27, 75.264, 42.240

97, 75.264, 42.240

17, 75.264, 42.240

7, 75.264, 42.240

0, 75.264, 42.240

57, 75.264, 42.240

57, 75.264, 42.240

54, 85.546, 43.045

60, 64.082, 41.237

52, 93.298, 43.067

64, 52.953, 40.364

52, 94.146, 43.102

69, 42.291, 39.722

74, 32.275, 39.315

78, 22.969, 39.109

84, 14.372, 39.061

89, 6.447, 39.106

94, 0.861, 220.110

99, 6.469, 199.098

Harmonies

Complementary

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



57, 75.264, 42.240



75, 38.856, 228.667

Rectangle

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



57, 75.264, 42.240



57, 75.264, 92.240



57, 75.264, 222.240



57, 75.264, 272.240

Sweetspot

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



57, 75.261, 42.243



87, 19.986, 39.070



56, 89.474, 335.378



44, 13.938, 39.097



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 75.261, 42.243



57, 96.424, 43.116



76, 69.132, 81.341



46, 4.159, 39.103



40, 76.730, 43.508



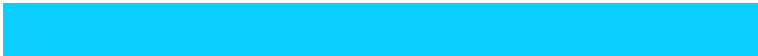
9, 24.944, 34.136

Inverse Universe

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



75, 38.856, 228.667



77, 43.562, 234.241



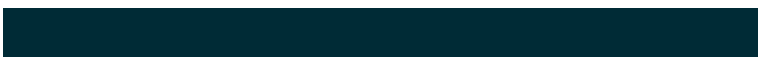
49, 74.235, 290.594



48, 3.920, 219.724



56, 33.954, 235.291



15, 14.421, 228.939

Previews

White Background



This preview shows how the CIELCh color 57, 75.264, 42.240 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 57, 75.264, 42.240 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 57, 75.264, 42.240

Background



This preview shows how black text looks on a background with the CIELCh color 57, 75.264, 42.240.



This preview shows how white text looks on a background with the CIELCh color 57, 75.264, 42.240.

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

57, 75.264, 42.240

Protanopia

57, 40.732, 95.568

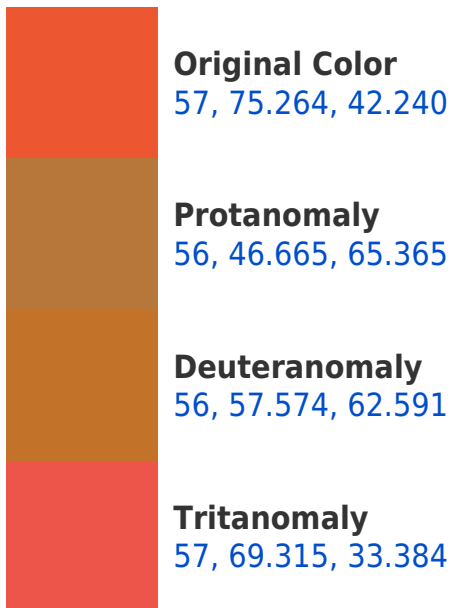
Deuteranopia

57, 53.274, 82.047



Tritanopia
57, 66.641, 26.836

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 75.264, 42.240 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(236, 87, 50)` looks like.

```
.text, #text, p{  
    color:rgb(236, 87, 50)  
}
```

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(236, 87, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 87, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 75.264, 42.240 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(236, 87, 50) }
```

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

```
.border{ border-color:rgb(236, 87, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 87, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 87, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 87, 50);  
box-shadow:4px 4px 4px 4px rgb(236, 87,  
50) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 75.264, 42.240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 87, 50) }
```

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

```
.background{ background-color: rgb(236, 87,  
50) }
```

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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