

Converting Colors

CIELCh(60, 66.624, 42.419)

Have a look what the booklet for
CIELCh(60, 66.624, 42.419) contains.

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Color

CIELCh(60, 66.212, 42.493)

Conversions

Conversions Part 1

Format	Color
Hex	EC6844
RGB	236, 104, 68
RGB Percent	93%, 41%, 27%
CMY	0.0748, 0.5924, 0.7336
CMYK	0.00, 0.56, 0.71, 0.07
HSL	13°, 81%, 60%
HSV	13°, 71%, 93%
XYZ	40.5514, 28.1233, 8.7504
YIQ	139.3640, 90.2280, 16.7880

Conversions

Conversions Part 2

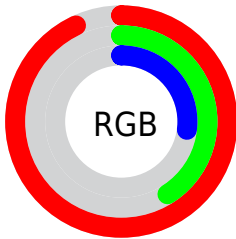
Format	Color
R_{YB}	236, 114, 68
Decimal	15493188
CIE _{Lab}	60.00, 48.82, 44.73
CIE _{LCh}	60, 66.212, 42.493
Yxy	28.1233, 0.5237, 0.3632
Android (android.graphics.Color)	4293683268 (0xFFEC6844)
YUV	139.3640, -35.1825, 84.7498
Hunter-Lab	53.0314, 43.6881, 27.3389

Details

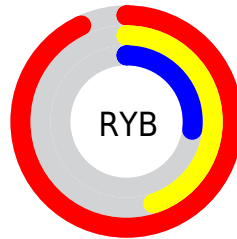
The CIELCh color **60, 66.212, 42.493** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **75, 37.104, 229.355**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 48.310, 48.219**, and **40, 66.002, 42.501** is the 20% darker color. If you saturate the color by 10%, you get **57, 77.226, 43.312**, and if you desaturate by 10%, it is **64, 55.096, 41.735**.

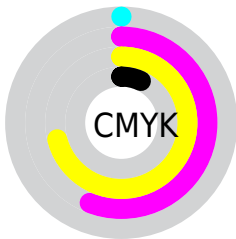
Distribution



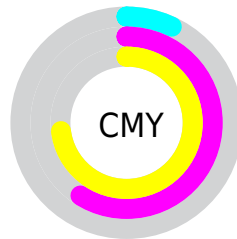
- Red (93%)
- Green (41%)
- Blue (27%)



- Red (93%)
- Yellow (45%)
- Blue (27%)



- Cyan (0%)
- Magenta (56%)
- Yellow (71%)
- Black (7%)



- Cyan (7%)
- Magenta (59%)
- Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 66.212, 42.493 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 60, 66.212, 42.493 by changing the saturation by 10% instead.

 60, 66.212, 42.493

 60, 66.212, 42.493

 100, 66.212,
42.493

 50, 66.212, 42.493

 80, 66.212, 42.493

 40, 66.212, 42.493

 90, 66.212, 42.493

 30, 66.212, 42.493

 20, 66.212, 42.493

 10, 66.212, 42.493

 0, 66.212, 42.493

 60, 66.212, 42.493

 60, 66.212, 42.493

 57, 77.226, 43.312

 64, 55.096, 41.735

 54, 87.016, 43.769

 68, 44.389, 41.171

52, 93.482, 43.567

73, 34.302, 40.826

77, 24.916, 40.676

82, 16.236, 40.684

88, 8.230, 40.797

93, 0.846, 40.396

98, 5.741, 213.451

99, 6.541, 199.092

Harmonies

Complementary

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



60, 66.212, 42.493



75, 37.104, 229.355

Rectangle

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



60, 66.212, 42.493



60, 66.212, 92.493



60, 66.212, 222.493



60, 66.212, 272.493

Sweetspot

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



60, 66.210, 42.496



88, 17.120, 40.685



58, 83.786, 335.529



46, 11.722, 40.669



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 66.210, 42.496



60, 86.485, 43.584



78, 64.075, 84.008



46, 4.125, 40.819



40, 76.226, 43.997



9, 24.724, 35.113

Inverse Universe

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



75, 37.104, 229.355



78, 42.517, 233.638



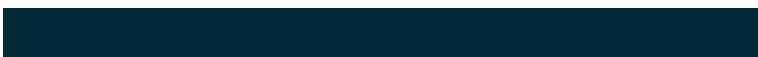
52, 68.084, 289.049



48, 3.891, 221.579



55, 34.253, 238.608



15, 14.454, 231.789

Previews

White Background



This preview shows how the CIELCh color 60, 66.212, 42.493 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 60, 66.212, 42.493 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 60, 66.212, 42.493

Background



This preview shows how black text looks on a background with the CIELCh color 60, 66.212, 42.493.



This preview shows how white text looks on a background with the CIELCh color 60, 66.212, 42.493.

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





Tritanopia
60, 59.120, 23.648

Trichromacy



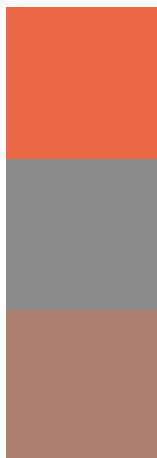
Original Color
60, 66.212, 42.493

Protanomaly
59, 41.012, 66.690

Deuteranomaly
59, 50.814, 62.969

Tritanomaly
60, 60.775, 31.324

Monochromacy



Original Color
60, 66.212, 42.493

Achromatopsia
58, 0.007, 296.813

Achromatomaly
57, 22.164, 40.586

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 66.212, 42.493 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, 104, 68)` looks like.

```
.text, #text, p{  
    color:rgb(236, 104, 68)  
}
```

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, 104, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 104, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 66.212, 42.493 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, 104, 68) }
```

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

```
.border{ border-color:rgb(236, 104, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 104, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 104, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 104, 68);  
box-shadow:4px 4px 4px 4px rgb(236, 104,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 66.212, 42.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 104, 68) }
```

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

```
.background{ background-color: rgb(236,  
104, 68) }
```

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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