

Converting Colors

CIELCh(64, 69.879, 60.024)

Have a look what the booklet for
CIELCh(64, 69.879, 60.024) contains.

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Color

CIELCh(64, 69.841, 60.132)

Conversions

Conversions Part 1

Format	Color
Hex	E9802A
RGB	233, 128, 42
RGB Percent	91%, 50%, 16%
CMY	0.0876, 0.4991, 0.8364
CMYK	0.00, 0.45, 0.82, 0.09
HSL	27°, 81%, 54%
HSV	27°, 82%, 91%
XYZ	41.5946, 32.8017, 6.3028
YIQ	149.5910, 90.1860, -4.4860

Conversions

Conversions Part 2

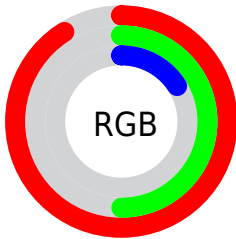
Format	Color
R _Y B	233, 198, 42
Decimal	15302698
CIE Lab	64.00, 34.78, 60.56
CIE LCh	64, 69.841, 60.132
Yxy	32.8017, 0.5154, 0.4065
Android (android.graphics.Color)	4293492778 (0xFFE9802A)
YUV	149.5910, -53.0424, 73.1497
Hunter-Lab	57.2727, 29.4091, 33.5662

Details

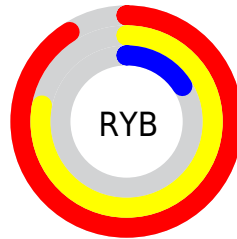
The CIELCh color **64, 69.841, 60.132** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **59, 51.568, 271.005**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 56.789, 71.525**, and **44, 64.529, 56.917** is the 20% darker color. If you saturate the color by 10%, you get **61, 77.275, 58.148**, and if you desaturate by 10%, it is **67, 60.902, 61.573**.

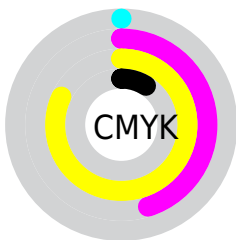
Distribution



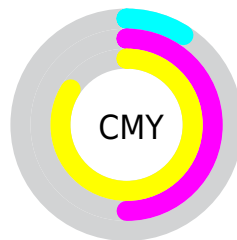
- Red (91%)
- Green (50%)
- Blue (16%)



- Red (91%)
- Yellow (78%)
- Blue (16%)



- Cyan (0%)
- Magenta (45%)
- Yellow (82%)
- Black (9%)



- Cyan (9%)
- Magenta (50%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 69.841, 60.132 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, 69.841, 60.132 by changing the saturation by 10% instead.

64, 69.841, 60.132

64, 69.841, 60.132

100, 69.841,
60.132

54, 69.841, 60.132

84, 69.841, 60.132

44, 69.841, 60.132

94, 69.841, 60.132

34, 69.841, 60.132

24, 69.841, 60.132

14, 69.841, 60.132

4, 69.841, 60.132

0, 69.841, 60.132

64, 69.841, 60.132

64, 69.841, 60.132

61, 77.275, 58.148

67, 60.902, 61.573

59, 81.673, 56.097

70, 51.484, 62.780

73, 42.140, 63.913

77, 33.128, 65.036

80, 24.547, 66.168

84, 16.421, 67.307

88, 8.734, 68.436

91, 1.453, 69.322

95, 5.460, 250.852

Harmonies

Complementary

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



64, 69.841, 60.132



59, 51.568, 271.005

Rectangle

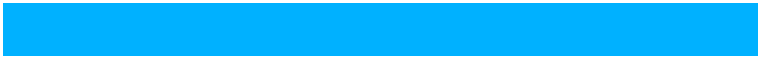
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 69.841, 60.132



64, 69.841, 110.132



64, 69.841, 240.132



64, 69.841, 290.132

Sweetspot

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



64, 69.839, 60.135



90, 20.208, 66.959



53, 76.829, 352.158



47, 13.926, 66.557



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, 69.839, 60.135



65, 86.539, 56.416



87, 81.839, 100.439



47, 4.108, 68.721



47, 67.389, 56.757



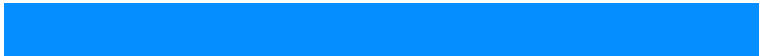
12, 22.267, 55.674

Inverse Universe

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



59, 51.568, 271.005



59, 65.245, 278.843



35, 107.385, 303.135



47, 3.987, 251.109



42, 50.435, 278.685



10, 18.897, 270.087

Previews

White Background



This preview shows how the CIELCh color 64, 69.841, 60.132 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, 69.841, 60.132 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, 69.841, 60.132

Background



This preview shows how black text looks on a background with the CIELCh color 64, 69.841, 60.132.



This preview shows how white text looks on a background with the CIELCh color 64, 69.841, 60.132.

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, 69.841, 60.132

Protanopia

64, 55.770, 95.623

Deuteranopia

64, 62.482, 82.614



Tritanopia
64, 49.077, 19.607

Trichromacy



Original Color
64, 69.841, 60.132

Protanomaly
64, 57.624, 80.872

Deuteranomaly
64, 63.864, 73.966

Tritanomaly
64, 53.237, 38.974

Monochromacy



Original Color
64, 69.841, 60.132

Achromatopsia
62, 0.008, 296.813

Achromatomaly
61, 24.232, 65.380

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 69.841, 60.132 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(233, 128, 42)` looks like.

```
.text, #text, p{  
    color:rgb(233, 128, 42)  
}
```

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(233, 128, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 128, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 69.841, 60.132 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(233, 128, 42) }
```

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

```
.border{ border-color:rgb(233, 128, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 128, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 128, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 128, 42);  
box-shadow:4px 4px 4px 4px rgb(233, 128,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 69.841, 60.132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 128, 42) }
```

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

```
.background{ background-color: rgb(233,  
128, 42) }
```

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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