

Converting Colors

CIELCh(64, 82.076, 60.241)

Have a look what the booklet for
CIELCh(64, 82.076, 60.241) contains.

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Color

CIELCh(64, 82.076, 60.241)

Conversions

Conversions Part 1

Format	Color
Hex	F27A00
RGB	242, 122, 0
RGB Percent	95%, 48%, 0%
CMY	0.0509, 0.5215, 0.9999
CMYK	0.00, 0.50, 1.00, 0.05
HSL	30°, 100%, 47%
HSV	30°, 100%, 95%
XYZ	43.5838, 32.8017, 4.0350
YIQ	143.9720, 110.6820, -12.5020

Conversions

Conversions Part 2

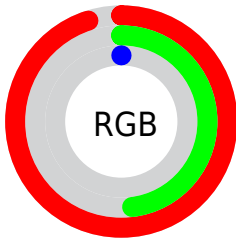
Format	Color
R _Y B	238, 242, 0
Decimal	15890944
CIE Lab	64.00, 40.74, 71.25
CIE LCh	64, 82.076, 60.241
Yxy	32.8017, 0.5419, 0.4079
Android (android.graphics.Color)	4294081024 (0xFFFF27A00)
YUV	143.9720, -70.9782, 85.9706
Hunter-Lab	57.2727, 35.6089, 35.9138

Details

The CIELCh color **64, 82.076, 60.241** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark saturated orange. A complement of this color would be **52, 71.184, 285.285**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 65.945, 72.505**, and **44, 68.532, 52.801** is the 20% darker color. If you saturate the color by 10%, you get **64, 82.080, 60.240**, and if you desaturate by 10%, it is **67, 76.999, 63.034**.

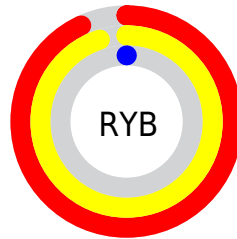
Distribution



Red (95%)

Green (48%)

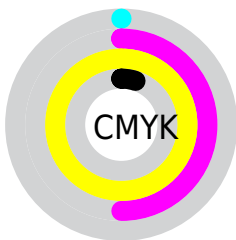
Blue (0%)



Red (93%)

Yellow (95%)

Blue (0%)

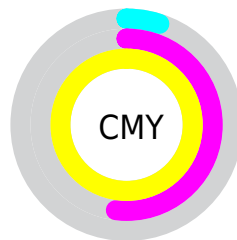


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (52%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 82.076, 60.241 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, 82.076, 60.241 by changing the saturation by 10% instead.

 64, 82.076, 60.241

 64, 82.076, 60.241

 100, 82.076,
60.241

 54, 82.076, 60.241

 84, 82.076, 60.241

 44, 82.076, 60.241

 94, 82.076, 60.241

 34, 82.076, 60.241

 24, 82.076, 60.241

 14, 82.076, 60.241

 4, 82.076, 60.241

 0, 82.076, 60.241

 64, 82.076, 60.241

 64, 82.076, 60.241

 64, 82.080, 60.240

 67, 76.999, 63.034

69, 69.636, 65.137

72, 60.785, 66.768

75, 51.397, 68.184

78, 42.002, 69.513

82, 32.858, 70.810

85, 24.069, 72.090

88, 15.668, 73.354

92, 7.647, 74.581

Harmonies

Complementary

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



64, 82.076, 60.241



52, 71.184, 285.285

Rectangle

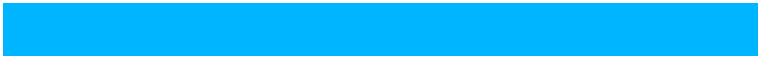
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 82.076, 60.241



64, 82.076, 110.241



64, 82.076, 240.241



64, 82.076, 290.241

Sweetspot

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



64, 82.073, 60.243



89, 25.129, 72.078



52, 81.357, 2.802



46, 17.316, 71.538



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, 82.073, 60.243



67, 85.445, 60.124



93, 93.147, 102.852



48, 4.312, 74.642



49, 66.486, 60.950



14, 23.416, 61.645

Inverse Universe

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



52, 71.184, 285.285



54, 74.280, 285.425



30, 128.616, 306.286



48, 4.220, 257.167



39, 56.870, 284.451



10, 21.534, 276.775

Previews

White Background



This preview shows how the CIELCh color 64, 82.076, 60.241 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, 82.076, 60.241 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, 82.076, 60.241

Background



This preview shows how black text looks on a background with the CIELCh color 64, 82.076, 60.241.



This preview shows how white text looks on a background with the CIELCh color 64, 82.076, 60.241.

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, 82.076, 60.241

Protanopia

64, 64.469, 95.361

Deuteranopia

64, 69.037, 83.431



Tritanopia
64, 55.627, 21.833

Trichromacy



Original Color
64, 82.076, 60.241

Protanomaly
63, 67.195, 80.473

Deuteranomaly
64, 72.019, 74.005

Tritanomaly
64, 64.651, 43.572

Monochromacy



Original Color
64, 82.076, 60.241

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 32.118, 69.365

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 82.076, 60.241 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(242, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 122, 0)  
}
```

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(242, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 122, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 82.076, 60.241 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(242, 122, 0) }
```

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

```
.border{ border-color:rgb(242, 122, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 122, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 122,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 82.076, 60.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 122, 0) }
```

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

```
.background{ background-color: rgb(242,  
122, 0) }
```

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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