

Converting Colors

CIELCh(64, 79.306, 62.793)

Have a look what the booklet for
CIELCh(64, 79.306, 62.793) contains.

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Color

CIELCh(64, 79.313, 62.719)

Conversions

Conversions Part 1

Format	Color
Hex	EC7E02
RGB	236, 126, 2
RGB Percent	93%, 49%, 1%
CMY	0.0741, 0.5055, 0.9914
CMYK	0.00, 0.47, 0.99, 0.07
HSL	32°, 98%, 47%
HSV	32°, 99%, 93%
XYZ	42.1136, 32.8017, 4.1747
YIQ	144.7540, 105.3640, -15.2440

Conversions

Conversions Part 2

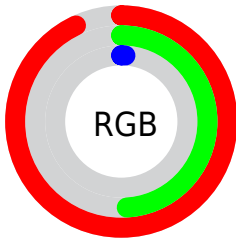
Format	Color
R_{YB}	210, 236, 2
Decimal	15498754
CIE _{Lab}	64.00, 36.35, 70.49
CIE _{LCh}	64, 79.313, 62.719
Yxy	32.8017, 0.5325, 0.4147
Android (android.graphics.Color)	4293688834 (0xFFEC7E02)
YUV	144.7540, -70.3777, 80.0227
Hunter-Lab	57.2727, 31.0267, 35.7692

Details

The CIELCh color **64, 79.313, 62.719** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **49, 72.705, 287.184**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **79, 65.879, 74.341**, and **44, 65.647, 55.649** is the 20% darker color. If you saturate the color by 10%, you get **64, 79.728, 62.464**, and if you desaturate by 10%, it is **66, 74.513, 65.508**.

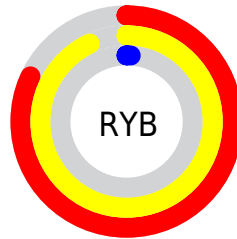
Distribution



Red (93%)

Green (49%)

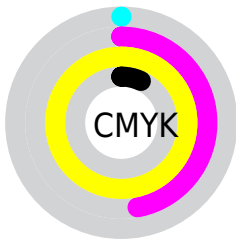
Blue (1%)



Red (82%)

Yellow (93%)

Blue (1%)

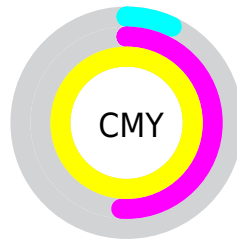


Cyan (0%)

Magenta (47%)

Yellow (99%)

Black (7%)



Cyan (7%)

Magenta (51%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 79.313, 62.719 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, 79.313, 62.719 by changing the saturation by 10% instead.

64, 79.313, 62.719

64, 79.313, 62.719

100, 79.313,
62.719

54, 79.313, 62.719

84, 79.313, 62.719

44, 79.313, 62.719

94, 79.313, 62.719

34, 79.313, 62.719

24, 79.313, 62.719

14, 79.313, 62.719

4, 79.313, 62.719

0, 79.313, 62.719

64, 79.313, 62.719

64, 79.313, 62.719

64, 79.728, 62.464

66, 74.513, 65.508

69, 67.413, 67.615

72, 58.881, 69.293

75, 49.801, 70.769

78, 40.675, 72.157

81, 31.750, 73.504

84, 23.131, 74.827

87, 14.854, 76.123

90, 6.914, 77.374

Harmonies

Complementary

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



64, 79.313, 62.719



49, 72.705, 287.184

Rectangle

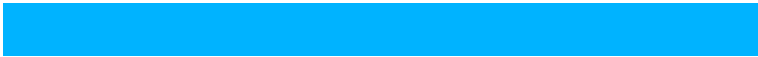
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



64, 79.313, 62.719



64, 79.313, 112.719



64, 79.313, 242.719



64, 79.313, 292.719

Sweetspot

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



64, 79.311, 62.721



89, 25.468, 74.688



51, 79.596, 3.959



46, 17.532, 74.130



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, 79.311, 62.721



68, 84.571, 62.295



90, 91.285, 103.906



47, 4.313, 77.326



50, 65.164, 63.151



13, 22.220, 64.135

Inverse Universe

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



49, 72.705, 287.184



53, 78.170, 287.765



30, 125.749, 306.261



47, 4.237, 259.879



38, 59.137, 286.780



9, 21.677, 278.893

Previews

White Background



This preview shows how the CIELCh color 64, 79.313, 62.719 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, 79.313, 62.719 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, 79.313, 62.719

Background



This preview shows how black text looks on a background with the CIELCh color 64, 79.313, 62.719.



This preview shows how white text looks on a background with the CIELCh color 64, 79.313, 62.719.

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, 79.313, 62.719

Protanopia

64, 64.680, 95.363

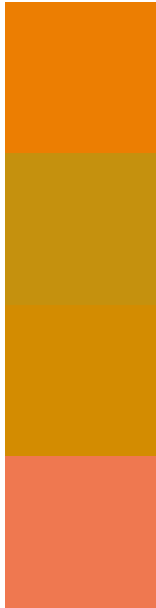
Deuteranopia

64, 69.037, 83.431



Tritanopia
64, 51.326, 20.781

Trichromacy



Original Color
64, 79.313, 62.719

Protanomaly
63, 66.730, 81.642

Deuteranomaly
64, 71.387, 75.025

Tritanomaly
64, 60.457, 44.925

Monochromacy



Original Color
64, 79.313, 62.719

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 31.330, 72.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 79.313, 62.719 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, 126, 2)` looks like.

```
.text, #text, p{  
    color:rgb(236, 126, 2)  
}
```

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, 126, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 126, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 79.313, 62.719 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, 126, 2) }
```

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

```
.border{ border-color:rgb(236, 126, 2) }
```

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

Here you see how a box with a 4 pixel rgb(236, 126, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 126, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 126, 2);  
box-shadow:4px 4px 4px 4px rgb(236, 126,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 79.313, 62.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 126, 2) }
```

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

```
.background{ background-color: rgb(236,  
126, 2) }
```

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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