

Converting Colors

CIELCh(64, 64.897, 51.301)

Have a look what the booklet for
CIELCh(64, 64.897, 51.301) contains.

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Color

CIELCh(64, 64.982, 51.393)

Conversions

Conversions Part 1

Format	Color
Hex	EF7B41
RGB	239, 123, 65
RGB Percent	94%, 48%, 25%
CMY	0.0637, 0.5184, 0.7459
CMYK	0.00, 0.49, 0.73, 0.06
HSL	20°, 84%, 60%
HSV	20°, 73%, 94%
XYZ	43.5189, 32.8017, 9.0093
YIQ	151.0720, 87.7540, 6.5540

Conversions

Conversions Part 2

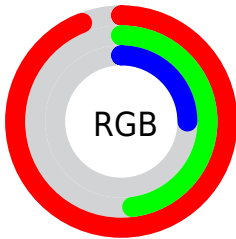
Format	Color
R _Y B	239, 152, 65
Decimal	15694657
CIE Lab	64.00, 40.55, 50.78
CIE LCh	64, 64.982, 51.393
Yxy	32.8017, 0.5100, 0.3844
Android (android.graphics.Color)	4293884737 (0xFFEF7B41)
YUV	151.0720, -42.4335, 77.1129
Hunter-Lab	57.2727, 35.4066, 30.7643

Details

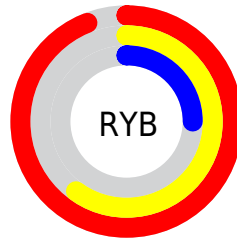
The CIELCh color **64, 64.982, 51.393** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle muted orange. A complement of this color would be **70, 40.573, 250.275**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **78, 47.823, 62.455**, and **44, 65.013, 51.171** is the 20% darker color. If you saturate the color by 10%, you get **61, 75.212, 50.858**, and if you desaturate by 10%, it is **68, 54.474, 51.781**.

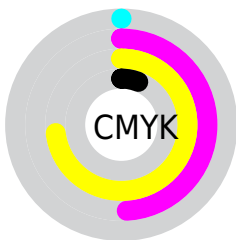
Distribution



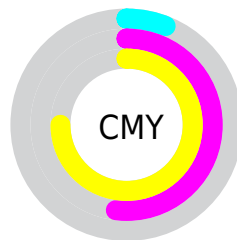
- Red (94%)
- Green (48%)
- Blue (25%)



- Red (94%)
- Yellow (60%)
- Blue (25%)



- Cyan (0%)
- Magenta (49%)
- Yellow (73%)
- Black (6%)



- Cyan (6%)
- Magenta (52%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 64.982, 51.393 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, 64.982, 51.393 by changing the saturation by 10% instead.

64, 64.982, 51.393

64, 64.982, 51.393

100, 64.982,
51.393

54, 64.982, 51.393

84, 64.982, 51.393

44, 64.982, 51.393

94, 64.982, 51.393

34, 64.982, 51.393

24, 64.982, 51.393

14, 64.982, 51.393

4, 64.982, 51.393

0, 64.982, 51.393

64, 64.982, 51.393

64, 64.982, 51.393

61, 75.212, 50.858

68, 54.474, 51.781

58, 83.991, 49.763

71, 44.267, 52.189

56, 88.859, 48.558

75, 34.597, 52.681

80, 25.546, 53.265

84, 17.119, 53.926

89, 9.282, 54.636

93, 1.986, 55.198

98, 4.598, 232.178

99, 5.586, 199.170

Harmonies

Complementary

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



64, 64.982, 51.393



70, 40.573, 250.275

Rectangle

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



64, 64.982, 51.393



64, 64.982, 101.393



64, 64.982, 231.393



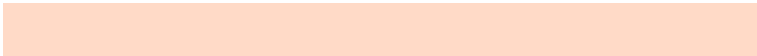
64, 64.982, 281.393

Sweetspot

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



64, 64.980, 51.396



90, 17.331, 53.980



57, 78.707, 342.617



46, 11.763, 53.793



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, 64.980, 51.396



63, 83.456, 50.474



84, 71.399, 93.828



48, 4.066, 54.873



44, 72.533, 49.148



11, 24.429, 44.926

Inverse Universe

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



70, 40.573, 250.275



70, 47.997, 256.564



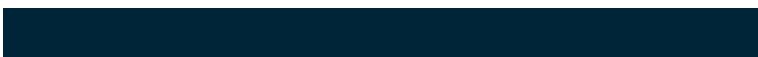
46, 84.958, 296.662



48, 3.878, 236.639



49, 40.478, 262.057



13, 16.373, 253.644

Previews

White Background



This preview shows how the CIELCh color 64, 64.982, 51.393 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, 64.982, 51.393 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, 64.982, 51.393

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.982, 51.393.



This preview shows how white text looks on a background with the CIELCh color 64, 64.982, 51.393.

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, 64.982, 51.393

Protanopia

64, 44.138, 96.027

Deuteranopia

64, 52.993, 81.118



Tritanopia
64, 52.606, 21.091

Trichromacy



Original Color
64, 64.982, 51.393

Protanomaly
63, 47.189, 75.244

Deuteranomaly
64, 55.409, 68.722

Tritanomaly
64, 55.477, 34.063

Monochromacy



Original Color
64, 64.982, 51.393

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 21.647, 53.195

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.982, 51.393 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(239, 123, 65)` looks like.

```
.text, #text, p{  
    color:rgb(239, 123, 65)  
}
```

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(239, 123, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 123, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.982, 51.393 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(239, 123, 65) }
```

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

```
.border{ border-color:rgb(239, 123, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(239, 123, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 123, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 123, 65);  
box-shadow:4px 4px 4px 4px rgb(239, 123,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.982, 51.393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 123, 65) }
```

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

```
.background{ background-color: rgb(239,  
123, 65) }
```

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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