

Converting Colors

CIELCh(65, 64.487, 58.518)

Have a look what the booklet for
CIELCh(65, 64.487, 58.518) contains.

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Color

CIELCh(65, 64.566, 58.483)

Conversions

Conversions Part 1

Format	Color
Hex	E98339
RGB	233, 131, 57
RGB Percent	91%, 51%, 22%
CMY	0.0844, 0.4846, 0.7749
CMYK	0.00, 0.44, 0.75, 0.08
HSL	25°, 80%, 57%
HSV	25°, 75%, 92%
XYZ	42.6825, 34.0472, 8.2450
YIQ	153.0620, 84.5460, -1.3900

Conversions

Conversions Part 2

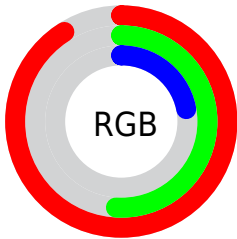
Format	Color
RYB	233, 185, 57
Decimal	15303481
CIELab	65.00, 33.75, 55.04
CIElCh	65, 64.566, 58.483
Yxy	34.0472, 0.5023, 0.4007
Android (android.graphics.Color)	4293493561 (0xFFE98339)
YUV	153.0620, -47.3586, 70.1056
Hunter-Lab	58.3500, 28.4589, 32.4671

Details

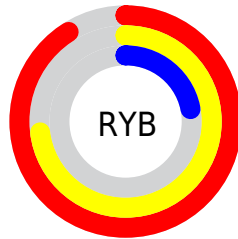
The CIELCh color **65, 64.566, 58.483** is a dark color, and the websafe version is hex **CC6600**. The color can be described as middle washed orange. A complement of this color would be **63, 45.797, 264.203**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 51.562, 70.375**, and **45, 63.995, 58.254** is the 20% darker color. If you saturate the color by 10%, you get **62, 73.501, 57.105**, and if you desaturate by 10%, it is **68, 54.948, 59.566**.

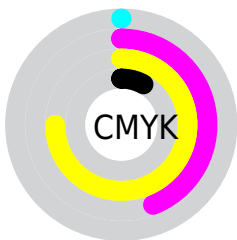
Distribution



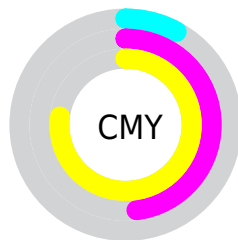
- Red (91%)
- Green (51%)
- Blue (22%)



- Red (91%)
- Yellow (73%)
- Blue (22%)



- Cyan (0%)
- Magenta (44%)
- Yellow (75%)
- Black (8%)



- Cyan (8%)
- Magenta (48%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 64.566, 58.483 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 65, 64.566, 58.483 by changing the saturation by 10% instead.

65, 64.566, 58.483

65, 64.566, 58.483

100, 64.566,
58.483

55, 64.566, 58.483

85, 64.566, 58.483

45, 64.566, 58.483

95, 64.566, 58.483

35, 64.566, 58.483

25, 64.566, 58.483

15, 64.566, 58.483

5, 64.566, 58.483

0, 64.566, 58.483

65, 64.566, 58.483

65, 64.566, 58.483

62, 73.501, 57.105

68, 54.948, 59.566

59, 80.553, 55.021

72, 45.344, 60.555

58, 83.204, 53.922

75, 36.077, 61.540

79, 27.277, 62.551

83, 18.977, 63.588

86, 11.164, 64.636

90, 3.805, 65.629

94, 3.143, 246.984

98, 6.793, 206.773

Harmonies

Complementary

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



65, 64.566, 58.483



63, 45.797, 264.203

Rectangle

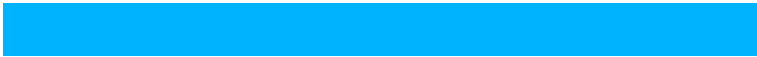
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



65, 64.566, 58.483



65, 64.566, 108.483



65, 64.566, 238.483



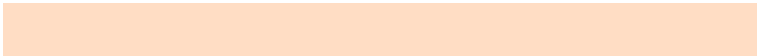
65, 64.566, 288.483

Sweetspot

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



65, 64.564, 58.486



90, 18.314, 63.829



55, 75.244, 348.251



47, 12.818, 63.449



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 64.564, 58.486



66, 83.447, 55.967



86, 76.207, 98.936



47, 4.056, 65.248



46, 68.430, 54.578



12, 22.413, 52.572

Inverse Universe

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



63, 45.797, 264.203



63, 57.524, 271.626



40, 95.690, 300.575



47, 3.919, 247.519



43, 47.424, 274.986



11, 17.974, 266.187

Previews

White Background



This preview shows how the CIELCh color 65, 64.566, 58.483 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 65, 64.566, 58.483 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 65, 64.566, 58.483

Background



This preview shows how black text looks on a background with the CIELCh color 65, 64.566, 58.483.



This preview shows how white text looks on a background with the CIELCh color 65, 64.566, 58.483.

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

65, 64.566, 58.483

Protanopia

65, 49.855, 95.422

Deuteranopia

65, 56.600, 81.316



Tritanopia
65, 46.840, 19.555

Trichromacy



Original Color
65, 64.566, 58.483

Protanomaly
64, 51.959, 79.226

Deuteranomaly
65, 58.242, 71.911

Tritanomaly
65, 50.316, 37.653

Monochromacy



Original Color
65, 64.566, 58.483

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 22.069, 62.800

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 64.566, 58.483 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, 131, 57)` looks like.

```
.text, #text, p{  
    color:rgb(233, 131, 57)  
}
```

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, 131, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 131, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 64.566, 58.483 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, 131, 57) }
```

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

```
.border{ border-color:rgb(233, 131, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 131, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 131, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 131, 57);  
box-shadow:4px 4px 4px 4px rgb(233, 131,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 64.566, 58.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 131, 57) }
```

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

```
.background{ background-color: rgb(233,  
131, 57) }
```

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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