

Converting Colors

CIELCh(66, 52.896, 58.313)

Have a look what the booklet for
CIELCh(66, 52.896, 58.313) contains.

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Color

CIELCh(66, 52.851, 58.144)

Conversions

Conversions Part 1

Format	Color
Hex	E28B50
RGB	226, 139, 80
RGB Percent	89%, 55%, 31%
CMY	0.1127, 0.4540, 0.6854
CMYK	0.00, 0.38, 0.65, 0.11
HSL	24°, 72%, 60%
HSV	24°, 65%, 89%
XYZ	42.1671, 35.3238, 12.2265
YIQ	158.2870, 70.7910, 0.0950

Conversions

Conversions Part 2

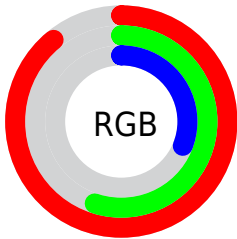
Format	Color
R _Y B	226, 179, 80
Decimal	14846800
CIE Lab	66.00, 27.89, 44.89
CIE LCh	66, 52.851, 58.144
Yxy	35.3238, 0.4700, 0.3937
Android (android.graphics.Color)	4293036880 (0xFFE28B50)
YUV	158.2870, -38.5955, 59.3843
Hunter-Lab	59.4338, 22.6328, 29.4068

Details

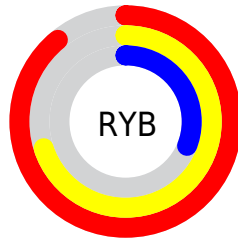
The CIELCh color **66, 52.851, 58.144** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **66, 38.389, 257.687**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 42.466, 69.264**, and **46, 52.952, 58.135** is the 20% darker color. If you saturate the color by 10%, you get **63, 62.374, 57.194**, and if you desaturate by 10%, it is **69, 43.422, 59.037**.

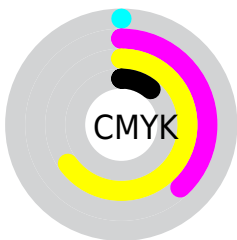
Distribution



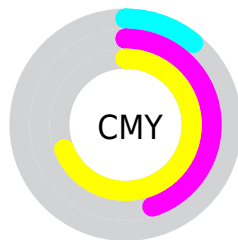
- Red (89%)
- Green (55%)
- Blue (31%)



- Red (89%)
- Yellow (70%)
- Blue (31%)



- Cyan (0%)
- Magenta (38%)
- Yellow (65%)
- Black (11%)



- Cyan (11%)
- Magenta (45%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 52.851, 58.144 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 66, 52.851, 58.144 by changing the saturation by 10% instead.

66, 52.851, 58.144

66, 52.851, 58.144

100, 52.851,
58.144

56, 52.851, 58.144

86, 52.851, 58.144

46, 52.851, 58.144

96, 52.851, 58.144

36, 52.851, 58.144

26, 52.851, 58.144

16, 52.851, 58.144

6, 52.851, 58.144

0, 52.851, 58.144

66, 52.851, 58.144

66, 52.851, 58.144

63, 62.374, 57.194

69, 43.422, 59.037

60, 71.370, 55.981

73, 34.372, 59.940

57, 78.696, 54.116

77, 25.808, 60.880

56, 81.932, 52.893

80, 17.755, 61.855

84, 10.193, 62.847

88, 3.087, 63.766

92, 3.609, 245.089

96, 8.068, 229.303

98, 9.758, 198.857

Harmonies

Complementary

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



66, 52.851, 58.144



66, 38.389, 257.687

Rectangle

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



66, 52.851, 58.144



66, 52.851, 108.144



66, 52.851, 238.144



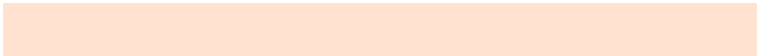
66, 52.851, 288.144

Sweetspot

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



66, 52.850, 58.148



92, 14.882, 62.393



57, 67.033, 345.244



48, 10.337, 62.107



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 52.850, 58.148



69, 71.296, 56.875



84, 65.285, 98.962



45, 3.889, 63.344



44, 67.531, 53.551



10, 19.972, 49.733

Inverse Universe

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



66, 38.389, 257.687



69, 48.784, 262.809



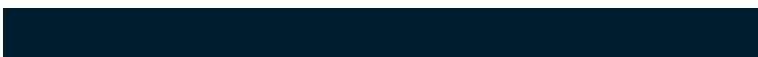
46, 77.199, 297.144



45, 3.749, 245.531



43, 44.847, 272.715



10, 16.225, 262.722

Previews

White Background



This preview shows how the CIELCh color 66, 52.851, 58.144 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 66, 52.851, 58.144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

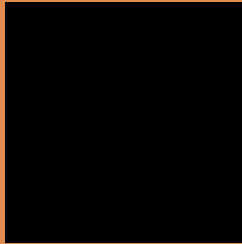
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 66, 52.851, 58.144

Background



This preview shows how black text looks on a background with the CIELCh color 66, 52.851, 58.144.



This preview shows how white text looks on a background with the CIELCh color 66, 52.851, 58.144.

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

66, 52.851, 58.144

Protanopia

66, 40.540, 95.853

Deuteranopia

66, 46.411, 79.598



Tritanopia
66, 40.192, 16.171

Trichromacy



Original Color
66, 52.851, 58.144

Protanomaly
66, 42.021, 79.436

Deuteranomaly
66, 47.833, 71.173

Tritanomaly
66, 41.677, 34.484

Monochromacy



Original Color
66, 52.851, 58.144

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 17.891, 62.682

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 52.851, 58.144 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(226, 139, 80)` looks like.

```
.text, #text, p{  
    color:rgb(226, 139, 80)  
}
```

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(226, 139, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 139, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 52.851, 58.144 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(226, 139, 80) }
```

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

```
.border{ border-color:rgb(226, 139, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 139, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 139, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 139, 80);  
box-shadow:4px 4px 4px 4px rgb(226, 139,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 52.851, 58.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 139, 80) }
```

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

```
.background{ background-color: rgb(226,  
139, 80) }
```

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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