

Converting Colors

CIELCh(66, 57.599, 65.723)

Have a look what the booklet for
CIELCh(66, 57.599, 65.723) contains.

CIELCh(66, 57.665, 65.679)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(66, 57.665, 65.679)

Conversions

Conversions Part 1

Format	Color
Hex	DE8E40
RGB	222, 142, 64
RGB Percent	87%, 56%, 25%
CMY	0.1287, 0.4425, 0.7484
CMYK	0.00, 0.36, 0.71, 0.13
HSL	30°, 71%, 56%
HSV	30°, 71%, 87%
XYZ	40.8070, 35.3238, 9.5406
YIQ	157.0280, 72.7180, -7.2980

Conversions

Conversions Part 2

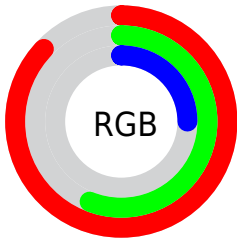
Format	Color
R _{YB}	222, 218, 64
Decimal	14585408
CIE Lab	66.00, 23.75, 52.55
CIE LCh	66, 57.665, 65.679
Yxy	35.3238, 0.4763, 0.4123
Android (android.graphics.Color)	4292775488 (0xFFDE8E40)
YUV	157.0280, -45.8628, 56.9804
Hunter-Lab	59.4338, 18.5481, 32.0861

Details

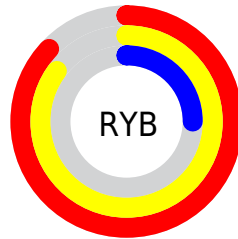
The CIELCh color **66, 57.665, 65.679** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **58, 46.787, 271.363**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 49.864, 75.938**, and **46, 57.657, 65.401** is the 20% darker color. If you saturate the color by 10%, you get **63, 65.951, 64.075**, and if you desaturate by 10%, it is **69, 48.858, 67.066**.

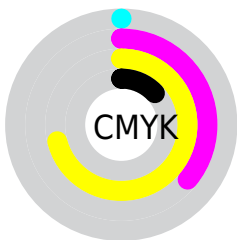
Distribution



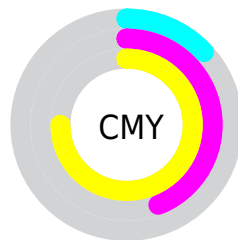
- Red (87%)
- Green (56%)
- Blue (25%)



- Red (87%)
- Yellow (85%)
- Blue (25%)



- Cyan (0%)
- Magenta (36%)
- Yellow (71%)
- Black (13%)



- Cyan (13%)
- Magenta (44%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 57.665, 65.679 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, 57.665, 65.679 by changing the saturation by 10% instead.

66, 57.665, 65.679

66, 57.665, 65.679

100, 57.665,
65.679

56, 57.665, 65.679

86, 57.665, 65.679

46, 57.665, 65.679

96, 57.665, 65.679

36, 57.665, 65.679

26, 57.665, 65.679

16, 57.665, 65.679

6, 57.665, 65.679

0, 57.665, 65.679

66, 57.665, 65.679

66, 57.665, 65.679

63, 65.951, 64.075

69, 48.858, 67.066

61, 72.808, 61.971

72, 40.047, 68.360

59, 77.222, 59.579

75, 31.477, 69.624

78, 23.252, 70.876

81, 15.401, 72.117

85, 7.917, 73.328

88, 0.776, 74.074

92, 6.053, 255.848

95, 9.208, 239.489

Harmonies

Complementary

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



66, 57.665, 65.679



58, 46.787, 271.363

Rectangle

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



66, 57.665, 65.679



66, 57.665, 115.679



66, 57.665, 245.679



66, 57.665, 295.679

Sweetspot

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



66, 57.664, 65.682



92, 17.121, 72.112



53, 67.749, 351.846



48, 11.667, 71.769



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, 57.664, 65.682



71, 76.904, 63.206



85, 73.964, 102.998



45, 4.057, 73.524



47, 64.655, 60.218



11, 19.646, 59.517

Inverse Universe

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



58, 46.787, 271.363



61, 61.931, 277.493



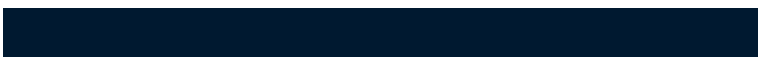
38, 92.698, 301.636



45, 3.964, 256.014



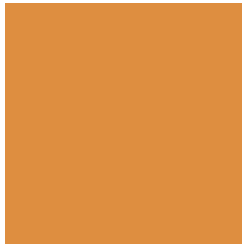
38, 53.793, 283.263



8, 18.770, 273.957

Previews

White Background



This preview shows how the CIELCh color 66, 57.665, 65.679 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, 57.665, 65.679 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, 57.665, 65.679

Background



This preview shows how black text looks on a background with the CIELCh color 66, 57.665, 65.679.



This preview shows how white text looks on a background with the CIELCh color 66, 57.665, 65.679.

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, 57.665, 65.679

Protanopia

66, 48.880, 95.473

Deuteranopia

66, 53.886, 81.201



Tritanopia
66, 38.073, 15.443

Trichromacy



Original Color
66, 57.665, 65.679

Protanomaly
66, 50.053, 83.189

Deuteranomaly
66, 54.760, 75.262

Tritanomaly
66, 40.725, 39.806

Monochromacy



Original Color
66, 57.665, 65.679

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 20.345, 71.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 57.665, 65.679 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(222, 142, 64)` looks like.

```
.text, #text, p{  
    color:rgb(222, 142, 64)  
}
```

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(222, 142, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 142, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 57.665, 65.679 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(222, 142, 64) }
```

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

```
.border{ border-color:rgb(222, 142, 64) }
```

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

Here you see how a box with a 4 pixel rgb(222, 142, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 142, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 142, 64);  
box-shadow:4px 4px 4px 4px rgb(222, 142,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 57.665, 65.679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 142, 64) }
```

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

```
.background{ background-color: rgb(222,  
142, 64) }
```

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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