

Converting Colors

CIELCh(66, 25.666, 237.262)

Have a look what the booklet for
CIELCh(66, 25.666, 237.262)
contains.

CIELCh(66, 25.635, 237.278)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(66, 25.635, 237.278)

Conversions

Conversions Part 1

Format	Color
Hex	64A9C6
RGB	100, 169, 198
RGB Percent	39%, 66%, 78%
CMY	0.6065, 0.3359, 0.2222
CMYK	0.49, 0.15, 0.00, 0.22
HSL	198°, 46%, 59%
HSV	198°, 49%, 78%
XYZ	29.7781, 35.3238, 58.8847
YIQ	151.6750, -50.4330, -5.6090

Conversions

Conversions Part 2

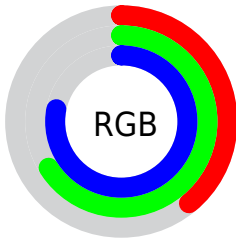
Format	Color
RYB	100, 140, 198
Decimal	6597062
CIELab	66.00, -13.86, -21.57
CIElCh	66, 25.635, 237.278
Yxy	35.3238, 0.2402, 0.2849
Android (android.graphics.Color)	4284787142 (0xFF64A9C6)
YUV	151.6750, 22.8382, -45.3190
Hunter-Lab	59.4338, -14.5755, -17.1385

Details

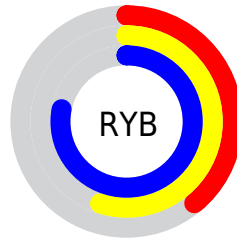
The CIELCh color **66, 25.635, 237.278** is a light color, and the websafe version is hex **3399CC**. A complement of this color would be **61, 35.483, 48.693**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 25.752, 237.840**, and **46, 25.557, 237.020** is the 20% darker color. If you saturate the color by 10%, you get **63, 29.519, 239.658**, and if you desaturate by 10%, it is **69, 21.230, 235.383**.

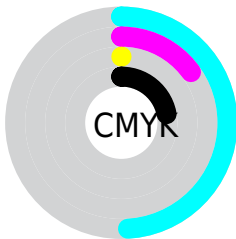
Distribution



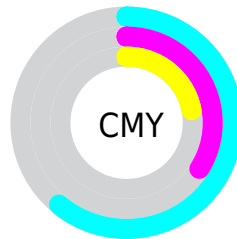
- Red (39%)
- Green (66%)
- Blue (78%)



- Red (39%)
- Yellow (55%)
- Blue (78%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)





- Cyan (61%)
- Magenta (34%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 25.635, 237.278 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, 25.635, 237.278 by changing the saturation by 10% instead.


 66, 25.635,
237.278


 66, 25.635,
237.278


 100, 25.635,
237.278


 56, 25.635,
237.278


 86, 25.635,
237.278

 46, 25.635,
237.278

 96, 25.635,
237.278

 36, 25.635,
237.278

 26, 25.635,
237.278

 16, 25.635,
237.278

 6, 25.635, 237.278

 0, 25.635, 237.278

66, 25.635,
237.278

66, 25.635,
237.278

63, 29.519,
239.658

69, 21.230,
235.383

61, 32.860,
242.618

71, 16.361,
233.889

59, 35.680,
246.233

74, 11.095,
232.723

57, 38.070,
250.533

77, 5.502, 231.842

55, 40.233,
255.359

80, 0.351, 49.586

55, 40.367,
255.642

83, 6.404, 50.376

86, 12.606, 49.969

89, 17.552, 52.097

91, 17.649, 63.957

Harmonies

Complementary

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



66, 25.635, 237.278



61, 35.483, 48.693

Rectangle

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



66, 25.635, 237.278



66, 25.635, 287.278



66, 25.635, 57.278



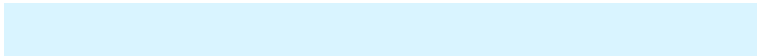
66, 25.635, 107.278

Sweetspot

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



66, 25.634, 237.277



95, 10.623, 232.320



73, 51.625, 149.040



50, 7.211, 232.520



0, 0.000, 0.000



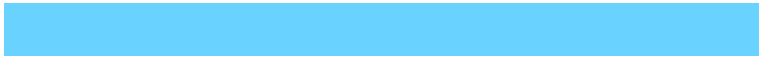
53, 0.007, 296.813

Same Dimension

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



66, 25.634, 237.277



80, 35.872, 239.785



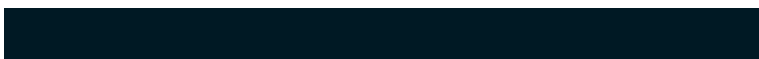
53, 44.562, 287.666



40, 3.325, 231.841



45, 34.703, 254.854



7, 11.347, 244.054

Inverse Universe

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



56, 51.509, 337.929



66, 73.318, 338.951



73, 41.868, 93.421



39, 6.000, 334.727



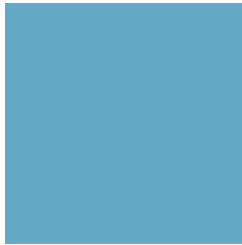
36, 66.389, 344.393



4, 20.635, 340.334

Previews

White Background



This preview shows how the CIELCh color 66, 25.635, 237.278 looks on a white background.

Color Contrast Check

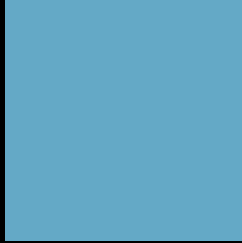
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 66, 25.635, 237.278 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, 25.635, 237.278

Background



This preview shows how black text looks on a background with the CIELCh color 66, 25.635, 237.278.



This preview shows how white text looks on a background with the CIELCh color 66, 25.635, 237.278.

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, 25.635, 237.278

Protanopia

66, 18.357, 286.664

Deuteranopia

66, 24.417, 290.315



Tritanopia
66, 24.407, 214.932

Trichromacy



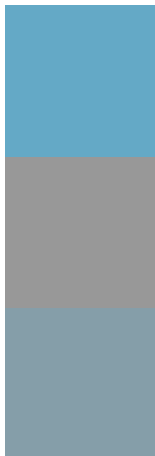
Original Color
66, 25.635, 237.278

Protanomaly
66, 19.713, 263.867

Deuteranomaly
66, 23.030, 269.943

Tritanomaly
66, 24.364, 223.618

Monochromacy



Original Color
66, 25.635, 237.278

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 10.649, 234.168

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 25.635, 237.278 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(100, 169, 198)` looks like.

```
.text, #text, p{  
    color:rgb(100, 169, 198)  
}
```

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(100, 169, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 169, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 25.635, 237.278 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(100, 169, 198) }
```

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

```
.border{ border-color:rgb(100, 169, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 169, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 169, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 169, 198);  
box-shadow:4px 4px 4px 4px rgb(100, 169,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 25.635, 237.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 169, 198) }
```

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

```
.background{ background-color: rgb(100,  
169, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor