

Converting Colors

CIELCh(66, 28.753, 301.702)

Have a look what the booklet for
CIELCh(66, 28.753, 301.702)
contains.

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Color

CIELCh(66, 28.767, 301.887)

Conversions

Conversions Part 1

Format	Color
Hex	A699CC
RGB	166, 153, 204
RGB Percent	65%, 60%, 80%
CMY	0.3484, 0.3994, 0.1994
CMYK	0.19, 0.25, 0.00, 0.20
HSL	255°, 33%, 70%
HSV	255°, 25%, 80%
XYZ	38.0935, 35.3238, 62.0389
YIQ	162.7010, -8.6230, 18.6170

Conversions

Conversions Part 2

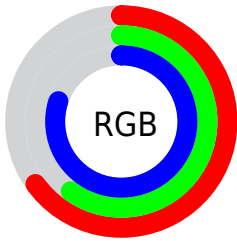
Format	Color
RYB	166, 153, 204
Decimal	10918348
CIELab	66.00, 15.20, -24.43
CIELCh	66, 28.767, 301.887
Yxy	35.3238, 0.2812, 0.2608
Android (android.graphics.Color)	4289108428 (0xFFA699CC)
YUV	162.7010, 20.3604, 2.8932
Hunter-Lab	59.4338, 10.3985, -20.2850

Details

The CIELCh color $66, 28.767, 301.887$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $80, 27.318, 118.544$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $86, 25.847, 303.447$, and $46, 28.930, 301.577$ is the 20% darker color. If you saturate the color by 10%, you get $60, 41.004, 302.778$, and if you desaturate by 10%, it is $72, 16.940, 301.096$.

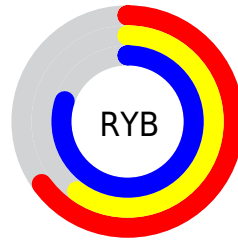
Distribution



Red (65%)

Green (60%)

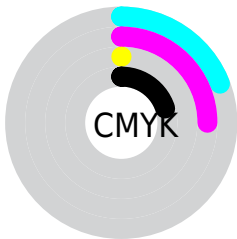
Blue (80%)



Red (65%)

Yellow (60%)

Blue (80%)

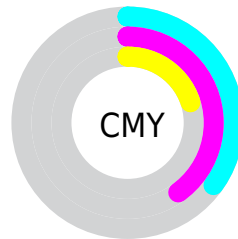


Cyan (19%)

Magenta (25%)

Yellow (0%)

Black (20%)



Cyan (35%)

Magenta (40%)

Yellow (20%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 28.767, 301.887 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, 28.767, 301.887 by changing the saturation by 10% instead.


 66, 28.767,
301.887


 66, 28.767,
301.887


 100, 28.767,
301.887


 56, 28.767,
301.887


 86, 28.767,
301.887

 46, 28.767,
301.887

 96, 28.767,
301.887

 36, 28.767,
301.887

 26, 28.767,
301.887

 16, 28.767,
301.887

 6, 28.767, 301.887

 0, 28.767, 301.887

66, 28.767,
301.887

66, 28.767,
301.887

60, 41.004,
302.778

72, 16.940,
301.096

53, 53.601,
303.763

79, 5.537, 300.401

85, 5.453, 119.812

47, 66.406,
304.816

92, 16.050,
119.289

41, 79.090,
305.877

98, 26.146,
118.706

36, 91.017,
306.835

99, 25.654,
108.231

31, 101.134,
307.519

28, 108.133,
307.727

27, 110.709,

Harmonies

Complementary

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



66, 28.767, 301.887



80, 27.318, 118.544

Rectangle

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



66, 28.767, 301.887



66, 28.767, 351.887



66, 28.767, 121.887



66, 28.767, 171.887

Sweetspot

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



66, 28.765, 301.886



95, 9.347, 300.540



75, 14.466, 227.123



50, 6.080, 300.582



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, 28.765, 301.886



77, 41.778, 302.356



68, 31.258, 318.368



40, 6.345, 300.697



21, 94.663, 307.854



2, 23.805, 298.985

Inverse Universe

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



69, 27.994, 334.203



81, 40.239, 334.600



78, 30.793, 136.086



40, 6.309, 333.105



37, 69.002, 341.553



5, 23.571, 338.198

Previews

White Background



This preview shows how the CIELCh color 66, 28.767, 301.887 looks on a white background.

Color Contrast Check

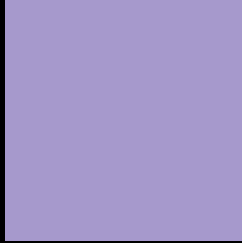
Large Text (above 18pt) WCAG AA × Fail

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, 28.767, 301.887 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

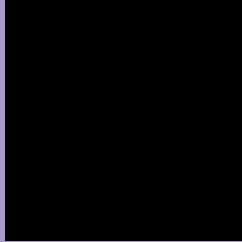
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 28.767, 301.887

Background



This preview shows how black text looks on a background with the CIELCh color 66, 28.767, 301.887.



This preview shows how white text looks on a background with the CIELCh color 66, 28.767, 301.887.

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, 28.767, 301.887

Protanopia

66, 27.309, 284.708

Deuteranopia

66, 25.520, 290.539



Tritanopia
66, 7.229, 293.865

Trichromacy



Original Color
66, 28.767, 301.887

Protanomaly
66, 27.725, 290.956

Deuteranomaly
66, 26.116, 294.326

Tritanomaly
66, 15.132, 298.529

Monochromacy



Original Color
66, 28.767, 301.887

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 10.718, 301.081

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 28.767, 301.887 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(166, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(166, 153, 204)  
}
```

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(166, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 153, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 28.767, 301.887 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(166, 153, 204) }
```

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

```
.border{ border-color:rgb(166, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(166, 153,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 28.767, 301.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 153, 204) }
```

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

```
.background{ background-color: rgb(166,  
153, 204) }
```

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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