

Converting Colors

CIELCh(66, 30.180, 301.993)

Have a look what the booklet for
CIELCh(66, 30.180, 301.993)
contains.

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Color

CIELCh(66, 29.855, 301.619)

Conversions

Conversions Part 1

Format	Color
Hex	A699CE
RGB	166, 153, 206
RGB Percent	65%, 60%, 81%
CMY	0.3492, 0.4002, 0.1923
CMYK	0.19, 0.26, 0.00, 0.19
HSL	255°, 35%, 70%
HSV	255°, 26%, 81%
XYZ	38.2350, 35.3238, 63.1651
YIQ	162.9290, -9.2650, 19.2390

Conversions

Conversions Part 2

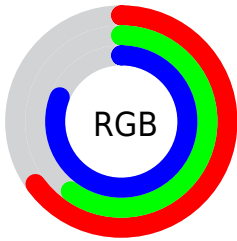
Format	Color
R_{YB}	166, 153, 206
Decimal	10918350
CIE _{Lab}	66.00, 15.65, -25.42
CIE _{LCh}	66, 29.855, 301.619
Yxy	35.3238, 0.2797, 0.2584
Android (android.graphics.Color)	4289108430 (0xFFA699CE)
YUV	162.9290, 21.2340, 2.6933
Hunter-Lab	59.4338, 10.8236, -21.4085

Details

The CIELCh color $66, 29.855, 301.619$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $81, 28.286, 118.102$, 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 $46, 30.093, 301.362$ is the 20% darker color. If you saturate the color by 10%, you get $60, 42.208, 302.538$, and if you desaturate by 10%, it is $73, 17.918, 300.804$.

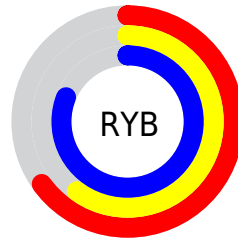
Distribution



Red (65%)

Green (60%)

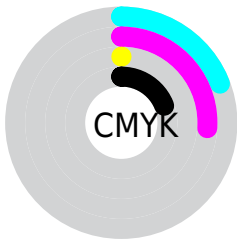
Blue (81%)



Red (65%)

Yellow (60%)

Blue (81%)

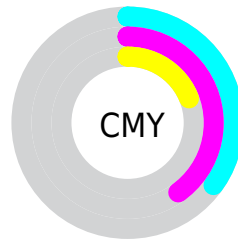


Cyan (19%)

Magenta (26%)

Yellow (0%)

Black (19%)



Cyan (35%)

Magenta (40%)

Yellow (19%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 29.855, 301.619 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, 29.855, 301.619 by changing the saturation by 10% instead.

 66, 29.855,
301.619


 66, 29.855,
301.619


 100, 29.855,
301.619


 56, 29.855,
301.619


 86, 29.855,
301.619

 46, 29.855,
301.619

 96, 29.855,
301.619

 36, 29.855,
301.619

 26, 29.855,
301.619

 16, 29.855,
301.619

 6, 29.855, 301.619

 0, 29.855, 301.619

66, 29.855,
301.619

66, 29.855,
301.619

60, 42.208,
302.538

73, 17.918,
300.804

53, 54.924,
303.555

79, 6.414, 300.089

47, 67.845,
304.641

86, 4.672, 119.482

41, 80.622,
305.734

92, 15.359,
118.944

36, 92.582,
306.716

98, 25.160,
117.923

31, 102.619,
307.407

99, 24.757,
108.300

28, 109.402,
307.606

27, 111.602,

307.628

Harmonies

Complementary

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



66, 29.855, 301.619



81, 28.286, 118.102

Rectangle

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



66, 29.855, 301.619



66, 29.855, 351.619



66, 29.855, 121.619



66, 29.855, 171.619

Sweetspot

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



66, 29.853, 301.618



94, 10.689, 300.250



76, 15.032, 224.962



49, 7.617, 300.356



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, 29.853, 301.618



76, 43.216, 302.125



68, 32.313, 317.880



40, 6.338, 300.340



21, 94.800, 307.750



2, 23.790, 298.740

Inverse Universe

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



69, 29.234, 333.877



81, 41.843, 334.288



79, 31.778, 135.547



40, 6.353, 332.737



37, 69.467, 340.911



5, 23.757, 337.679

Previews

White Background



This preview shows how the CIELCh color 66, 29.855, 301.619 looks on a white background.

Color Contrast Check

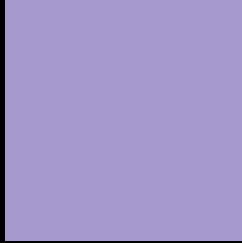
Large Text (above 18pt) WCAG AA × Fail

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, 29.855, 301.619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

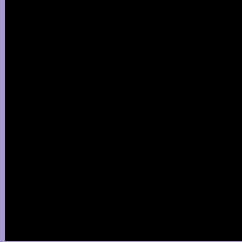
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 29.855, 301.619

Background



This preview shows how black text looks on a background with the CIELCh color 66, 29.855, 301.619.



This preview shows how white text looks on a background with the CIELCh color 66, 29.855, 301.619.

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, 29.855, 301.619

Protanopia

66, 28.396, 285.180

Deuteranopia

66, 26.643, 289.339



Tritanopia
66, 7.229, 293.865

Trichromacy



Original Color
66, 29.855, 301.619

Protanomaly
66, 28.827, 291.152

Deuteranomaly
66, 27.209, 293.662

Tritanomaly
66, 15.132, 298.529

Monochromacy



Original Color
66, 29.855, 301.619

Achromatopsia
67, 0.008, 296.813

Achromatomaly
66, 11.264, 300.633

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 29.855, 301.619 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(166, 153, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 153, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 29.855, 301.619 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, 206) }
```

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

```
.border{ border-color:rgb(166, 153, 206) }
```

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, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 153, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 153, 206);  
box-shadow:4px 4px 4px 4px rgb(166, 153,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 29.855, 301.619 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, 206) }
```

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

```
.background{ background-color: rgb(166,  
153, 206) }
```

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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