

Converting Colors

CIELCh(65, 29.237, 303.412)

Have a look what the booklet for
CIELCh(65, 29.237, 303.412)
contains.

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Color

CIELCh(65, 28.976, 303.268)

Conversions

Conversions Part 1

Format	Color
Hex	A596C9
RGB	165, 150, 201
RGB Percent	65%, 59%, 79%
CMY	0.3528, 0.4116, 0.2116
CMYK	0.18, 0.25, 0.00, 0.21
HSL	258°, 32%, 69%
HSV	258°, 25%, 79%
XYZ	36.9849, 34.0472, 59.9056
YIQ	160.2990, -7.4310, 19.0410

Conversions

Conversions Part 2

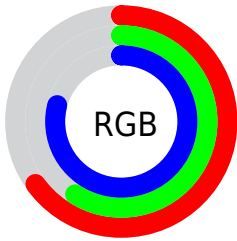
Format	Color
R_{YB}	165, 150, 201
Decimal	10852041
CIE Lab	65.00, 15.89, -24.23
CIE LCh	65, 28.976, 303.268
Yxy	34.0472, 0.2825, 0.2600
Android (android.graphics.Color)	4289042121 (0xFFA596C9)
YUV	160.2990, 20.0656, 4.1228
Hunter-Lab	58.3500, 11.0291, -20.0257

Details

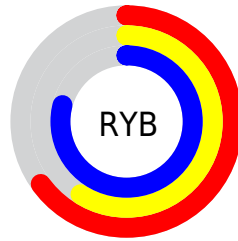
The CIELCh color $65, 28.976, 303.268$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $79, 27.558, 120.102$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 27.523, 303.573$, and $45, 29.161, 303.017$ is the 20% darker color. If you saturate the color by 10%, you get $59, 41.085, 304.086$, and if you desaturate by 10%, it is $71, 17.247, 302.535$.

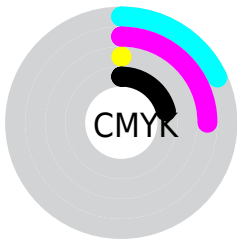
Distribution



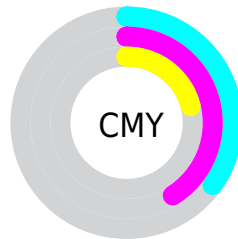
- Red (65%)
- Green (59%)
- Blue (79%)



- Red (65%)
- Yellow (59%)
- Blue (79%)



- Cyan (18%)
- Magenta (25%)
- Yellow (0%)
- Black (21%)



- Cyan (35%)
- Magenta (41%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 28.976, 303.268 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 65, 28.976, 303.268 by changing the saturation by 10% instead.

 65, 28.976,
303.268

 65, 28.976,
303.268

 100, 28.976,
303.268


 55, 28.976,
303.268


 85, 28.976,
303.268

 45, 28.976,
303.268

 95, 28.976,
303.268

 35, 28.976,
303.268

 25, 28.976,
303.268

 15, 28.976,
303.268

 5, 28.976, 303.268

 0, 28.976, 303.268

65, 28.976,
303.268

65, 28.976,
303.268

59, 41.085,
304.086

71, 17.247,
302.535

53, 53.511,
304.980

78, 5.923, 301.885

47, 66.085,
305.921

84, 5.002, 121.339

41, 78.462,
306.848

90, 15.544,
120.843

36, 90.008,
307.654

96, 25.722,
120.420

31, 99.714,
308.179

98, 27.289,
111.908

28, 106.386,
308.240

99, 27.214,
108.111

27, 108.747,

Harmonies

Complementary

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



65, 28.976, 303.268



79, 27.558, 120.102

Rectangle

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



65, 28.976, 303.268



65, 28.976, 353.268



65, 28.976, 123.268



65, 28.976, 173.268

Sweetspot

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



65, 28.974, 303.267



94, 10.753, 302.056



74, 14.434, 231.662



49, 7.662, 302.153



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 28.974, 303.267



77, 41.921, 303.671



67, 31.600, 319.418



39, 6.243, 302.136



21, 92.983, 308.334



2, 21.801, 299.443

Inverse Universe

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



68, 27.319, 335.834



81, 39.172, 336.228



77, 31.197, 137.041



39, 6.008, 334.650



36, 66.471, 344.255



4, 20.668, 340.217

Previews

White Background



This preview shows how the CIELCh color 65, 28.976, 303.268 looks on a white background.

Color Contrast Check

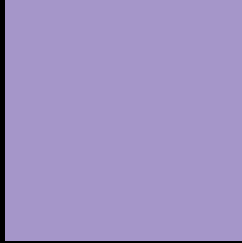
Large Text (above 18pt) WCAG AA × Fail

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 65, 28.976, 303.268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

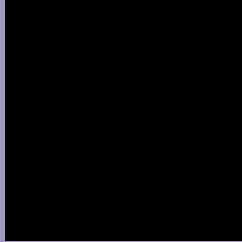
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 28.976, 303.268

Background



This preview shows how black text looks on a background with the CIELCh color 65, 28.976, 303.268.



This preview shows how white text looks on a background with the CIELCh color 65, 28.976, 303.268.

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


65, 28.976, 303.268

Protanopia

65, 27.365, 285.440

Deuteranopia

65, 25.035, 289.700



Tritanopia
65, 6.790, 300.354

Trichromacy



Original Color
65, 28.976, 303.268

Protanomaly
65, 27.816, 291.685

Deuteranomaly
65, 26.221, 295.104

Tritanomaly
65, 14.745, 301.565

Monochromacy



Original Color
65, 28.976, 303.268

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 10.827, 303.014

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 28.976, 303.268 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(165, 150, 201)` looks like.

```
.text, #text, p{  
    color:rgb(165, 150, 201)  
}
```

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(165, 150, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 150, 201) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 28.976, 303.268 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(165, 150, 201) }
```

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

```
.border{ border-color:rgb(165, 150, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 150, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 150, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 150, 201);  
box-shadow:4px 4px 4px 4px rgb(165, 150,  
201) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 28.976, 303.268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 150, 201) }
```

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

```
.background{ background-color: rgb(165,  
150, 201) }
```

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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