

Converting Colors

CIELCh(65, 58.777, 304.365)

Have a look what the booklet for
CIELCh(65, 58.777, 304.365)
contains.

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Color

CIELCh(65, 58.534, 304.287)

Conversions

Conversions Part 1

Format	Color
Hex	AA8DF5
RGB	170, 141, 245
RGB Percent	67%, 55%, 96%
CMY	0.3346, 0.4482, 0.0405
CMYK	0.31, 0.42, 0.00, 0.04
HSL	257°, 83%, 76%
HSV	257°, 42%, 96%
XYZ	42.4230, 34.0472, 90.4617
YIQ	161.5270, -16.1000, 38.4920

Conversions

Conversions Part 2

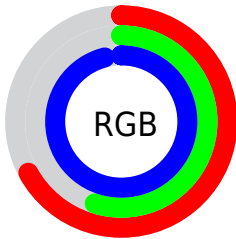
Format	Color
R _Y B	170, 141, 245
Decimal	11177461
CIE Lab	65.00, 32.97, -48.36
CIE LCh	65, 58.534, 304.287
Yxy	34.0472, 0.2541, 0.2040
Android (android.graphics.Color)	4289367541 (0xFFAA8DF5)
YUV	161.5270, 41.1522, 7.4308
Hunter-Lab	58.3500, 27.6651, -51.0741

Details

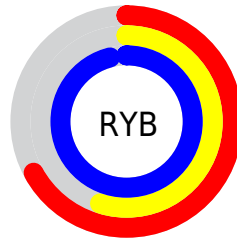
The CIELCh color $65, 58.534, 304.287$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $92, 53.276, 118.458$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 33.661, 311.313$, and $45, 58.651, 304.486$ is the 20% darker color. If you saturate the color by 10%, you get $58, 73.295, 305.274$, and if you desaturate by 10%, it is $72, 44.030, 303.365$.

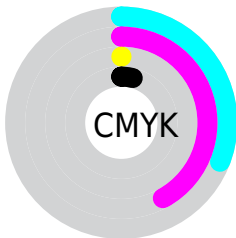
Distribution



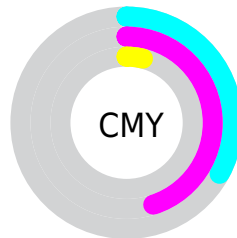
- Red (67%)
- Green (55%)
- Blue (96%)



- Red (67%)
- Yellow (55%)
- Blue (96%)



- Cyan (31%)
- Magenta (42%)
- Yellow (0%)
- Black (4%)





- Cyan (33%)
- Magenta (45%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 58.534, 304.287 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, 58.534, 304.287 by changing the saturation by 10% instead.

 65, 58.534,
304.287


 65, 58.534,
304.287


 100, 58.534,
304.287


 55, 58.534,
304.287


 85, 58.534,
304.287

 45, 58.534,
304.287

 95, 58.534,
304.287

 35, 58.534,
304.287

 25, 58.534,
304.287

 15, 58.534,
304.287

 5, 58.534, 304.287

 0, 58.534, 304.287

■ 65, 58.534,
304.287

■ 65, 58.534,
304.287

■ 58, 73.295,
305.274

■ 72, 44.030,
303.365

■ 51, 87.970,
306.272

■ 80, 29.944,
302.531

■ 45, 101.883,
307.179

■ 87, 16.333,
301.791

■ 39, 113.902,
307.838

■ 95, 3.207, 301.133

■ 36, 122.551,
308.051

■ 100, 5.224,
109.773

■ 34, 126.557,
307.912

Harmonies

Complementary

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



65, 58.534, 304.287



92, 53.276, 118.458

Rectangle

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



65, 58.534, 304.287



65, 58.534, 354.287



65, 58.534, 124.287



65, 58.534, 174.287

Sweetspot

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



65, 58.533, 304.287



90, 17.594, 301.828



83, 26.692, 231.710



46, 12.361, 301.985



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, 58.533, 304.287



61, 73.520, 305.136



70, 61.892, 319.635



47, 7.395, 301.586



25, 102.879, 308.056



4, 40.769, 306.124

Inverse Universe

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



72, 53.705, 336.590



70, 65.606, 337.350



89, 60.530, 135.484



48, 7.207, 334.048



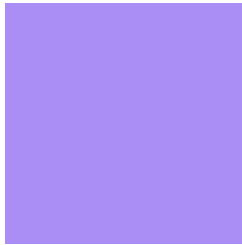
42, 73.878, 343.355



10, 33.690, 340.826

Previews

White Background



This preview shows how the CIELCh color 65, 58.534, 304.287 looks on a white background.

Color Contrast Check

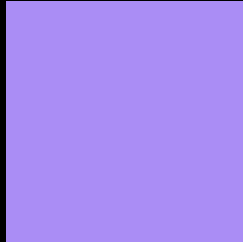
Large Text (above 18pt) WCAG AA × Fail

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 65, 58.534, 304.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

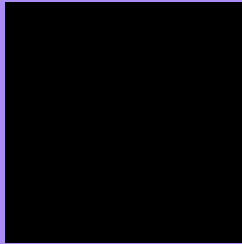
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 58.534, 304.287

Background



This preview shows how black text looks on a background with the CIELCh color 65, 58.534, 304.287.



This preview shows how white text looks on a background with the CIELCh color 65, 58.534, 304.287.

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, 58.534, 304.287

Protanopia
65, 56.322, 286.222

Deuteranopia
65, 47.308, 281.564



Tritanopia
65, 7.256, 285.126

Trichromacy



Original Color
65, 58.534, 304.287

Protanomaly
65, 56.637, 292.484

Deuteranomaly
65, 50.593, 290.450

Tritanomaly
65, 25.905, 299.678

Monochromacy



Original Color
65, 58.534, 304.287

Achromatopsia
66, 0.008, 296.813

Achromatomaly
66, 20.943, 301.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 58.534, 304.287 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(170, 141, 245)` looks like.

```
.text, #text, p{  
    color:rgb(170, 141, 245)  
}
```

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(170, 141, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 141, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 58.534, 304.287 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(170, 141, 245) }
```

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

```
.border{ border-color:rgb(170, 141, 245) }
```

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

Here you see how a box with a 4 pixel rgb(170, 141, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 141, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 141, 245);  
box-shadow:4px 4px 4px 4px rgb(170, 141,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 58.534, 304.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 141, 245) }
```

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

```
.background{ background-color: rgb(170,  
141, 245) }
```

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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