

Converting Colors

CIELCh(65, 58.105, 305.250)

Have a look what the booklet for
CIELCh(65, 58.105, 305.250)
contains.

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Color

CIELCh(65, 58.164, 305.264)

Conversions

Conversions Part 1

Format	Color
Hex	AC8CF3
RGB	172, 140, 243
RGB Percent	67%, 55%, 95%
CMY	0.3250, 0.4506, 0.0466
CMYK	0.29, 0.42, 0.00, 0.05
HSL	259°, 81%, 75%
HSV	259°, 42%, 95%
XYZ	42.6253, 34.0472, 89.2098
YIQ	161.3100, -13.9910, 38.8170

Conversions

Conversions Part 2

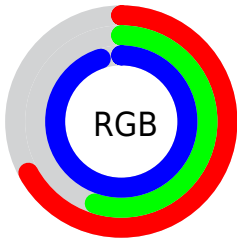
Format	Color
R _{YB}	172, 140, 243
Decimal	11308275
CIE _{Lab}	65.00, 33.58, -47.49
CIE _{LCh}	65, 58.164, 305.264
Y _{xy}	34.0472, 0.2570, 0.2052
Android (android.graphics.Color)	4289498355 (0xFFAC8CF3)
YUV	161.3100, 40.2732, 9.3751
Hunter-Lab	58.3500, 28.2837, -49.8020

Details

The CIELCh color `65, 58.164, 305.264` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `92, 53.171, 119.792`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 34.498, 312.674`, and `45, 58.210, 305.435` is the 20% darker color. If you saturate the color by 10%, you get `58, 72.788, 306.165`, and if you desaturate by 10%, it is `72, 43.753, 304.413`.

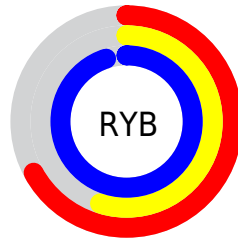
Distribution



Red (67%)

Green (55%)

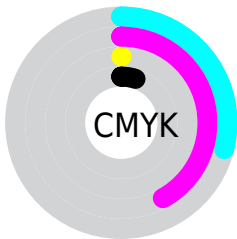
Blue (95%)



Red (67%)

Yellow (55%)

Blue (95%)

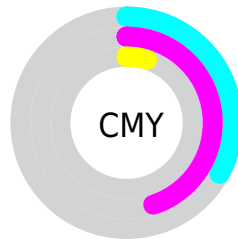


Cyan (29%)

Magenta (42%)

Yellow (0%)

Black (5%)



Cyan (33%)


Magenta (45%)

Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 65, 58.164, 305.264 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, 58.164, 305.264 by changing the saturation by 10% instead.

 65, 58.164,
305.264

 65, 58.164,
305.264

 100, 58.164,
305.264


 55, 58.164,
305.264

 85, 58.164,
305.264

 45, 58.164,
305.264

 95, 58.164,
305.264

 35, 58.164,
305.264

 25, 58.164,
305.264

 15, 58.164,
305.264

 5, 58.164, 305.264

 0, 58.164, 305.264

65, 58.164,
305.264

65, 58.164,
305.264

58, 72.788,
306.165

72, 43.753,
304.413

51, 87.273,
307.062

80, 29.727,
303.636

45, 100.952,
307.859

87, 16.153,
302.942

40, 112.736,
308.406

94, 3.049, 302.317

36, 121.239,
308.519

100, 6.015,
109.715

34, 125.272,
308.311

Harmonies

Complementary

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



65, 58.164, 305.264



92, 53.171, 119.792

Rectangle

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



65, 58.164, 305.264



65, 58.164, 355.264



65, 58.164, 125.264



65, 58.164, 175.264

Sweetspot

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



65, 58.163, 305.264



90, 17.665, 302.985



81, 26.621, 236.574



46, 12.409, 303.133



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, 58.163, 305.264



62, 73.584, 306.052



70, 61.763, 320.664



47, 7.426, 302.757



25, 102.325, 308.463



4, 40.881, 306.959

Inverse Universe

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



71, 52.167, 338.011



70, 64.258, 338.845



89, 60.670, 136.393



48, 7.044, 335.348



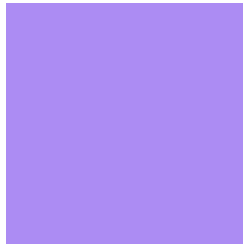
41, 72.372, 345.695



10, 33.048, 342.715

Previews

White Background



This preview shows how the CIELCh color 65, 58.164, 305.264 looks on a white background.

Color Contrast Check

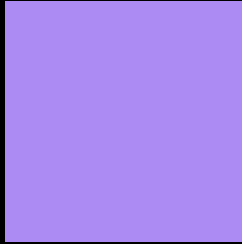
Large Text (above 18pt) WCAG AA × Fail

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, 58.164, 305.264 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

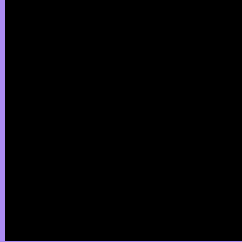
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 58.164, 305.264

Background



This preview shows how black text looks on a background with the CIELCh color 65, 58.164, 305.264.




This preview shows how white text looks on a background with the CIELCh color 65, 58.164, 305.264.

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





Tritanopia
65, 7.287, 296.788

Trichromacy



Original Color
65, 58.164, 305.264

Protanomaly
65, 56.624, 292.747

Deuteranomaly
65, 50.017, 290.951

Tritanomaly
65, 26.138, 302.719

Monochromacy



Original Color
65, 58.164, 305.264

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 21.641, 303.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 58.164, 305.264 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(172, 140, 243)` looks like.

```
.text, #text, p{  
    color:rgb(172, 140, 243)  
}
```

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(172, 140, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 140, 243) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 58.164, 305.264 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(172, 140, 243) }
```

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

```
.border{ border-color:rgb(172, 140, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 140, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 140, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 140, 243);  
box-shadow:4px 4px 4px 4px rgb(172, 140,  
243) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 58.164, 305.264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 140, 243) }
```

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

```
.background{ background-color: rgb(172,  
140, 243) }
```

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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