

Converting Colors

CIELCh(65, 57.805, 306.278)

Have a look what the booklet for
CIELCh(65, 57.805, 306.278)
contains.

CIELCh(65, 58.374, 306.488)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(65, 58.374, 306.488)

Conversions

Conversions Part 1

Format	Color
Hex	AF8BF2
RGB	175, 139, 242
RGB Percent	69%, 55%, 95%
CMY	0.3132, 0.4544, 0.0505
CMYK	0.28, 0.43, 0.00, 0.05
HSL	261°, 80%, 75%
HSV	261°, 43%, 95%
XYZ	43.0045, 34.0472, 88.4123
YIQ	161.5060, -11.6070, 39.6650

Conversions

Conversions Part 2

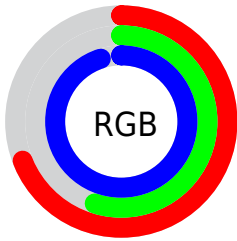
Format	Color
RYB	175, 139, 242
Decimal	11504626
CIELab	65.00, 34.71, -46.93
CIELCh	65, 58.374, 306.488
Yxy	34.0472, 0.2599, 0.2058
Android (android.graphics.Color)	4289694706 (0xFFAF8BF2)
YUV	161.5060, 39.6835, 11.8342
Hunter-Lab	58.3500, 29.4439, -48.9917

Details

The CIELCh color $65, 58.374, 306.488$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 53.621, 121.359$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 35.467, 314.501$, and $45, 58.353, 306.644$ is the 20% darker color. If you saturate the color by 10%, you get $58, 72.878, 307.295$, and if you desaturate by 10%, it is $72, 44.020, 305.713$.

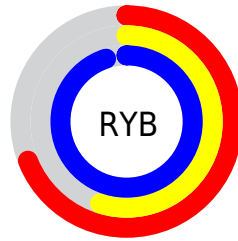
Distribution



Red (69%)

Green (55%)

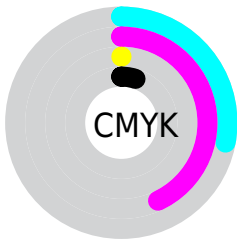
Blue (95%)



Red (69%)

Yellow (55%)

Blue (95%)

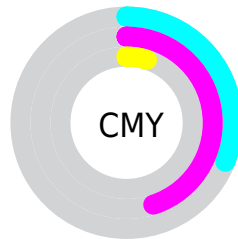


Cyan (28%)

Magenta (43%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (45%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 58.374, 306.488 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, 58.374, 306.488 by changing the saturation by 10% instead.

 65, 58.374,
306.488


 65, 58.374,
306.488


 100, 58.374,
306.488

 55, 58.374,
306.488

 85, 58.374,
306.488

 45, 58.374,
306.488

 95, 58.374,
306.488

 35, 58.374,
306.488

 25, 58.374,
306.488

 15, 58.374,
306.488

 5, 58.374, 306.488

 0, 58.374, 306.488

65, 58.374,
306.488

65, 58.374,
306.488

58, 72.878,
307.295

72, 44.020,
305.713

52, 87.160,
308.079

79, 30.007,
304.997

46, 100.545,
308.747

86, 16.417,
304.351

40, 111.979,
309.158

94, 3.279, 303.762

37, 120.171,
309.144

100, 6.530,
113.189

35, 124.010,
308.862

100, 6.513,
109.679

Harmonies

Complementary

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



65, 58.374, 306.488



91, 53.621, 121.359

Rectangle

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



65, 58.374, 306.488



65, 58.374, 356.488



65, 58.374, 126.488



65, 58.374, 176.488

Sweetspot

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



65, 58.373, 306.488



90, 17.760, 304.381



80, 26.939, 241.441



47, 12.474, 304.519



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, 58.373, 306.488



62, 73.680, 307.182



70, 62.181, 321.697



46, 7.339, 304.167



25, 100.555, 309.033



4, 38.995, 307.418

Inverse Universe

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



71, 50.890, 339.863



70, 62.691, 340.761



88, 61.331, 137.249



47, 6.734, 337.011



40, 70.030, 348.688



9, 31.468, 344.950

Previews

White Background



This preview shows how the CIELCh color 65, 58.374, 306.488 looks on a white background.

Color Contrast Check

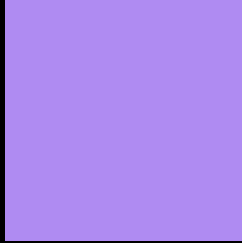
Large Text (above 18pt) WCAG AA × Fail

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, 58.374, 306.488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

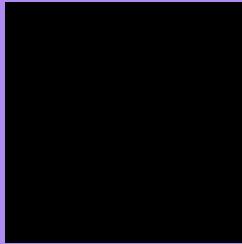
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 58.374, 306.488

Background



This preview shows how black text looks on a background with the CIELCh color 65, 58.374, 306.488.

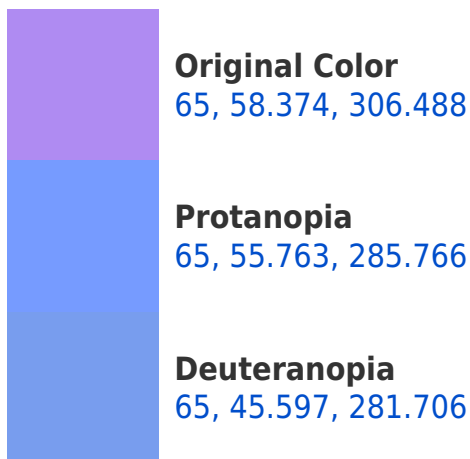


This preview shows how white text looks on a background with the CIELCh color 65, 58.374, 306.488.

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, 7.610, 308.053

Trichromacy



Original Color
65, 58.374, 306.488



Protanomaly
65, 56.070, 292.930



Deuteranomaly
65, 50.030, 291.923



Tritanomaly
65, 26.438, 305.737

Monochromacy



Original Color
65, 58.374, 306.488



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 21.150, 304.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 58.374, 306.488 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(175, 139, 242)` looks like.

```
.text, #text, p{  
    color:rgb(175, 139, 242)  
}
```

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(175, 139, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 139, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 58.374, 306.488 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(175, 139, 242) }
```

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

```
.border{ border-color:rgb(175, 139, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 139, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 139, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 139, 242);  
box-shadow:4px 4px 4px 4px rgb(175, 139,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 58.374, 306.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 139, 242) }
```

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

```
.background{ background-color: rgb(175,  
139, 242) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor