

Converting Colors

CIELCh(65, 67.919, 308.395)

Have a look what the booklet for
CIELCh(65, 67.919, 308.395)
contains.

CIELCh(65, 67.980, 308.407)	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, 67.980, 308.407)

Conversions

Conversions Part 1

Format	Color
Hex	B686FE
RGB	182, 134, 254
RGB Percent	71%, 53%, 100%
CMY	0.2872, 0.4753, 0.0049
CMYK	0.28, 0.47, 0.00, 0.00
HSL	264°, 98%, 76%
HSV	264°, 47%, 100%
XYZ	45.5818, 34.0472, 97.7325
YIQ	162.0320, -9.9120, 47.4960

Conversions

Conversions Part 2

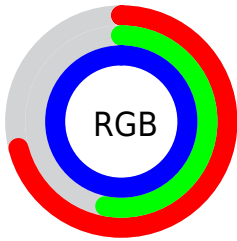
Format	Color
RYB	182, 134, 254
Decimal	11962110
CIELab	65.00, 42.23, -53.27
CIElCh	65, 67.980, 308.407
Yxy	34.0472, 0.2570, 0.1920
Android (android.graphics.Color)	4290152190 (0xFFB686FE)
YUV	162.0320, 45.3402, 17.5119
Hunter-Lab	58.3500, 37.3281, -58.4620

Details

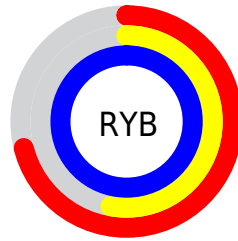
The CIELCh color `65, 67.980, 308.407` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `94, 62.237, 123.123`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 39.650, 319.251`, and `45, 68.120, 308.435` is the 20% darker color. If you saturate the color by 10%, you get `58, 82.847, 309.095`, and if you desaturate by 10%, it is `72, 53.013, 307.708`.

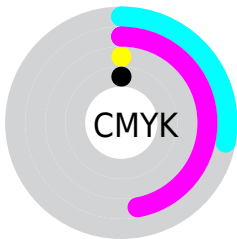
Distribution



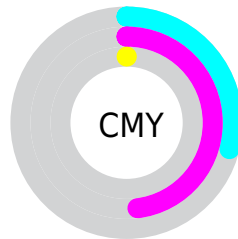
- Red (71%)
- Green (53%)
- Blue (100%)



- Red (71%)
- Yellow (53%)
- Blue (100%)



- Cyan (28%)
- Magenta (47%)
- Yellow (0%)
- Black (0%)





- Cyan (29%)
- Magenta (48%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 67.980, 308.407 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, 67.980, 308.407 by changing the saturation by 10% instead.


 65, 67.980,
308.407


 65, 67.980,
308.407


 100, 67.980,
308.407


 55, 67.980,
308.407


 85, 67.980,
308.407

 45, 67.980,
308.407

 95, 67.980,
308.407

 35, 67.980,
308.407

 25, 67.980,
308.407

 15, 67.980,
308.407

 5, 67.980, 308.407

 0, 67.980, 308.407

65, 67.980,
308.407

65, 67.980,
308.407

58, 82.847,
309.095

72, 53.013,
307.708

52, 97.074,
309.701

79, 38.255,
307.039

46, 109.778,
310.115

87, 23.858,
306.419

42, 119.772,
310.192

94, 9.891, 305.856

38, 125.986,
309.800

100, 0.618,
110.006

38, 127.269,
309.659

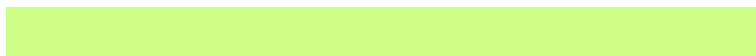
Harmonies

Complementary

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



65, 67.980, 308.407



94, 62.237, 123.123

Rectangle

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



65, 67.980, 308.407



65, 67.980, 358.407



65, 67.980, 128.407



65, 67.980, 178.407

Sweetspot

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



65, 67.979, 308.407



90, 19.307, 306.229



80, 31.632, 249.643



46, 13.375, 306.354



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, 67.979, 308.407



59, 82.766, 309.078



71, 72.029, 323.414



49, 7.784, 305.977



28, 102.675, 309.840



5, 44.896, 310.190

Inverse Universe

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



71, 56.525, 342.959



67, 66.907, 344.199



91, 71.474, 138.087



50, 6.837, 339.316



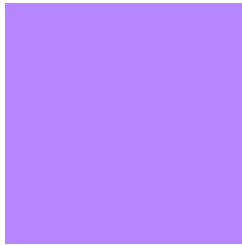
42, 70.361, 352.973



11, 33.151, 348.952

Previews

White Background



This preview shows how the CIELCh color 65, 67.980, 308.407 looks on a white background.

Color Contrast Check

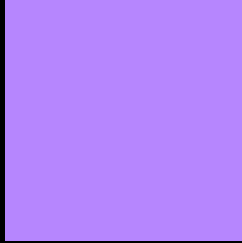
Large Text (above 18pt) WCAG AA × Fail

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, 67.980, 308.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

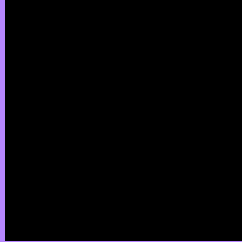
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 67.980, 308.407

Background



This preview shows how black text looks on a background with the CIELCh color 65, 67.980, 308.407.




This preview shows how white text looks on a background with the CIELCh color 65, 67.980, 308.407.

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, 7.905, 322.505

Trichromacy



Original Color
65, 67.980, 308.407



Protanomaly
65, 59.954, 294.547



Deuteranomaly
65, 56.664, 291.962



Tritanomaly
65, 29.758, 309.309

Monochromacy



Original Color
65, 67.980, 308.407



Achromatopsia
67, 0.008, 296.813



Achromatomaly
66, 24.743, 306.529

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 67.980, 308.407 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(182, 134, 254)` looks like.

```
.text, #text, p{  
    color:rgb(182, 134, 254)  
}
```

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(182, 134, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 134, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 67.980, 308.407 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(182, 134, 254) }
```

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

```
.border{ border-color:rgb(182, 134, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 134, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 134, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 134, 254);  
box-shadow:4px 4px 4px 4px rgb(182, 134,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 67.980, 308.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 134, 254) }
```

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

```
.background{ background-color: rgb(182,  
134, 254) }
```

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