

Converting Colors

CIELCh(65, 58.558, 298.835)

Have a look what the booklet for
CIELCh(65, 58.558, 298.835)
contains.

CIELCh(65, 58.458, 298.715)	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, 58.458, 298.715)

Conversions

Conversions Part 1

Format	Color
Hex	9B91FA
RGB	155, 145, 250
RGB Percent	61%, 57%, 98%
CMY	0.3928, 0.4320, 0.0203
CMYK	0.38, 0.42, 0.00, 0.02
HSL	246°, 91%, 77%
HSV	246°, 42%, 98%
XYZ	40.8157, 34.0472, 94.7222
YIQ	159.9600, -27.7450, 34.7750

Conversions

Conversions Part 2

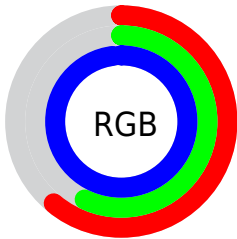
Format	Color
R _Y B	155, 145, 250
Decimal	10195450
CIE Lab	65.00, 28.09, -51.27
CIE LCh	65, 58.458, 298.715
Yxy	34.0472, 0.2407, 0.2008
Android (android.graphics.Color)	4288385530 (0xFF9B91FA)
YUV	159.9600, 44.3897, -4.3499
Hunter-Lab	58.3500, 22.7480, -55.4033

Details

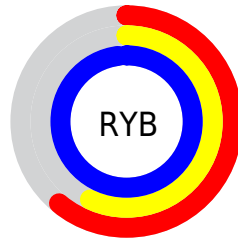
The CIELCh color **65, 58.458, 298.715** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **95, 52.414, 110.462**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 30.072, 300.861**, and **45, 58.842, 298.925** is the 20% darker color. If you saturate the color by 10%, you get **57, 73.767, 300.315**, and if you desaturate by 10%, it is **73, 43.640, 297.293**.

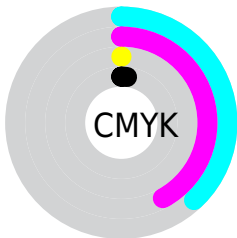
Distribution



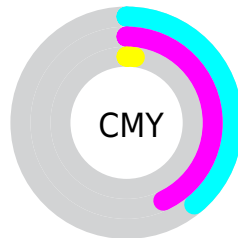
- Red (61%)
- Green (57%)
- Blue (98%)



- Red (61%)
- Yellow (57%)
- Blue (98%)



- Cyan (38%)
- Magenta (42%)
- Yellow (0%)
- Black (2%)





- Cyan (39%)
- Magenta (43%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 58.458, 298.715 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, 58.458, 298.715 by changing the saturation by 10% instead.


 65, 58.458,
298.715


 65, 58.458,
298.715


 100, 58.458,
298.715


 55, 58.458,
298.715


 85, 58.458,
298.715

 45, 58.458,
298.715

 95, 58.458,
298.715

 35, 58.458,
298.715

 25, 58.458,
298.715

 15, 58.458,
298.715

 5, 58.458, 298.715

 0, 58.458, 298.715

65, 58.458,
298.715

65, 58.458,
298.715

57, 73.767,
300.315

73, 43.640,
297.293

50, 89.297,
302.037

81, 29.396,
296.056

43, 104.367,
303.755

89, 15.725,
294.994

38, 117.621,
305.237

97, 2.601, 294.096

34, 127.070,
306.191

100, 2.611,
109.953

32, 131.241,
306.527

Harmonies

Complementary

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



65, 58.458, 298.715



95, 52.414, 110.462

Rectangle

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



65, 58.458, 298.715



65, 58.458, 348.715



65, 58.458, 118.715



65, 58.458, 168.715

Sweetspot

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



65, 58.457, 298.715



90, 17.325, 295.092



90, 29.339, 206.609



46, 12.177, 295.316



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, 58.457, 298.715



60, 71.832, 299.988



70, 60.538, 313.850



48, 7.401, 294.751



23, 106.186, 306.589



3, 42.296, 302.861

Inverse Universe

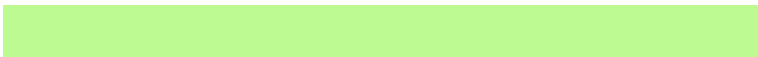
The Inverse Universe completely reimagines the original color for something new.



74, 61.183, 329.582



72, 72.891, 330.038



92, 57.661, 129.951



49, 8.346, 327.652



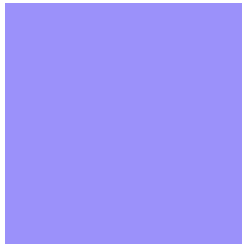
44, 85.520, 332.429



11, 39.059, 331.851

Previews

White Background



This preview shows how the CIELCh color 65, 58.458, 298.715 looks on a white background.

Color Contrast Check

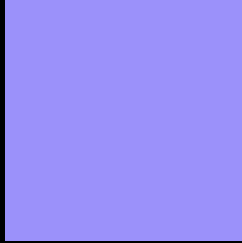
Large Text (above 18pt) WCAG AA × Fail

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, 58.458, 298.715 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

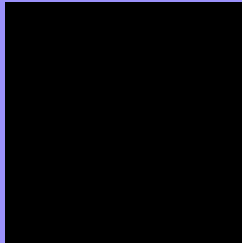
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 58.458, 298.715

Background



This preview shows how black text looks on a background with the CIELCh color 65, 58.458, 298.715.



This preview shows how white text looks on a background with the CIELCh color 65, 58.458, 298.715.

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, 58.458, 298.715

Protanopia
65, 56.322, 286.222

Deuteranopia
65, 50.270, 280.394



Tritanopia
65, 10.976, 240.253

Trichromacy



Original Color
65, 58.458, 298.715

Protanomaly
65, 56.642, 290.351

Deuteranomaly
65, 52.914, 287.510

Tritanomaly
65, 26.340, 284.297

Monochromacy



Original Color
65, 58.458, 298.715

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 21.786, 296.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 58.458, 298.715 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(155, 145, 250)` looks like.

```
.text, #text, p{  
    color:rgb(155, 145, 250)  
}
```

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(155, 145, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 145, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 58.458, 298.715 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(155, 145, 250) }
```

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

```
.border{ border-color:rgb(155, 145, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 145, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 145, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 145, 250);  
box-shadow:4px 4px 4px 4px rgb(155, 145,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 58.458, 298.715 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 145, 250) }
```

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

```
.background{ background-color: rgb(155,  
145, 250) }
```

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