

Converting Colors

CIELCh(59, 83.678, 304.156)

Have a look what the booklet for
CIELCh(59, 83.678, 304.156)
contains.

CIELCh(58, 78.264, 304.372)	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(58, 78.264, 304.372)

Conversions

Conversions Part 1

Format	Color
Hex	9574FE
RGB	149, 116, 254
RGB Percent	58%, 45%, 100%
CMY	0.4168, 0.5456, 0.0051
CMYK	0.41, 0.54, 0.00, 0.01
HSL	254°, 98%, 72%
HSV	254°, 54%, 99%
XYZ	36.4157, 25.9610, 96.6107
YIQ	141.5990, -24.6300, 49.9140

Conversions

Conversions Part 2

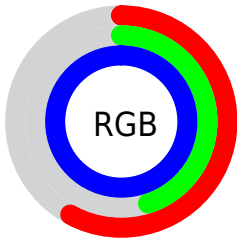
Format	Color
R _Y B	149, 116, 254
Decimal	9794814
CIE Lab	58.00, 44.19, -64.60
CIE LCh	58, 78.264, 304.372
Yxy	25.9610, 0.2290, 0.1633
Android (android.graphics.Color)	4287984894 (0xFF9574FE)
YUV	141.5990, 55.4137, 6.4907
Hunter-Lab	50.9519, 38.4093, -76.7543

Details

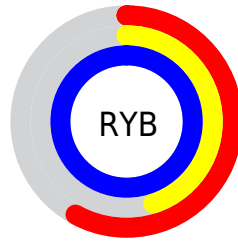
The CIELCh color **58, 78.264, 304.372** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 68.370, 116.117**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 48.239, 309.226**, and **38, 78.362, 304.430** is the 20% darker color. If you saturate the color by 10%, you get **51, 93.455, 305.506**, and if you desaturate by 10%, it is **65, 62.954, 303.255**.

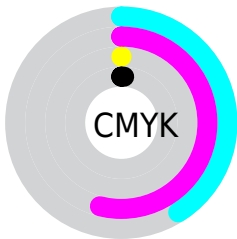
Distribution



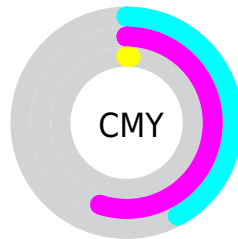
- Red (58%)
- Green (45%)
- Blue (100%)



- Red (58%)
- Yellow (45%)
- Blue (100%)



- Cyan (41%)
- Magenta (54%)
- Yellow (0%)
- Black (1%)





- Cyan (42%)
- Magenta (55%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 58, 78.264, 304.372 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 58, 78.264, 304.372 by changing the saturation by 10% instead.


 58, 78.264,
304.372


 58, 78.264,
304.372


 100, 78.264,
304.372

 48, 78.264,
304.372


 78, 78.264,
304.372

 38, 78.264,
304.372

 88, 78.264,
304.372

 28, 78.264,
304.372

 98, 78.264,
304.372

 18, 78.264,
304.372

 8, 78.264, 304.372

 0, 78.264, 304.372

58, 78.264,
304.372

58, 78.264,
304.372

51, 93.455,
305.506

65, 62.954,
303.255

45, 107.743,
306.538

73, 47.922,
302.216

39, 119.804,
307.283

81, 33.342,
301.282

36, 127.995,
307.526

89, 19.272,
300.459

34, 130.894,
307.468

96, 5.720, 299.738

100, 0.645,
110.010

Harmonies

Complementary

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



58, 78.264, 304.372



95, 68.370, 116.117

Rectangle

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



58, 78.264, 304.372



58, 78.264, 354.372



58, 78.264, 124.372



58, 78.264, 174.372

Sweetspot

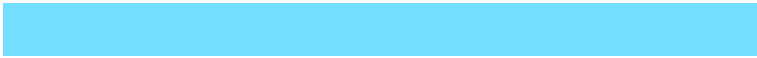
The Sweet Spot groups the original color and five complimentary colors.



58, 78.263, 304.373



88, 21.678, 300.589



83, 33.231, 228.781



45, 14.692, 300.754



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58, 78.263, 304.373



51, 94.846, 305.583



65, 80.228, 319.004



49, 7.611, 300.100



25, 105.643, 307.596



4, 44.635, 306.329

Inverse Universe

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



69, 70.856, 335.841



64, 81.841, 336.780



91, 77.700, 133.852



50, 7.671, 332.492



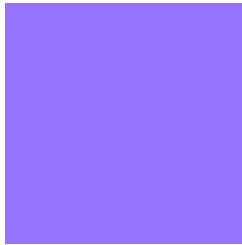
43, 77.485, 340.620



11, 36.395, 338.782

Previews

White Background



This preview shows how the CIELCh color 58, 78.264, 304.372 looks on a white background.

Color Contrast Check

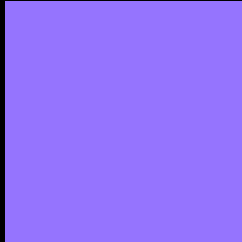
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 58, 78.264, 304.372 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

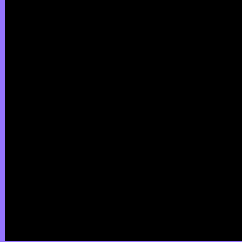
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 78.264, 304.372

Background



This preview shows how black text looks on a background with the CIELCh color 58, 78.264, 304.372.

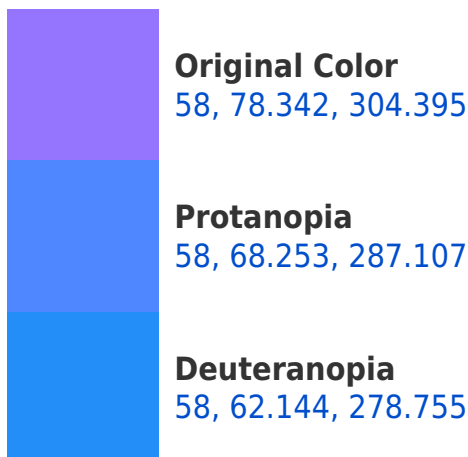


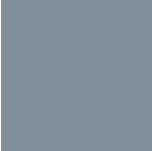
This preview shows how white text looks on a background with the CIELCh color 58, 78.264, 304.372.

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
58, 8.693, 245.198

Trichromacy



Original Color
58, 78.342, 304.395



Protanomaly
58, 71.902, 293.307



Deuteranomaly
57, 67.378, 287.159



Tritanomaly
57, 33.123, 295.040

Monochromacy



Original Color
58, 78.342, 304.395



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 28.891, 301.571

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 78.264, 304.372 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(149, 116, 254)` looks like.

```
.text, #text, p{  
    color:rgb(149, 116, 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(149, 116, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 116, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 78.264, 304.372 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(149, 116, 254) }
```

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

```
.border{ border-color:rgb(149, 116, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 116, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 116, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 116, 254);  
box-shadow:4px 4px 4px 4px rgb(149, 116,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 78.264, 304.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 116, 254) }
```

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

```
.background{ background-color: rgb(149,  
116, 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](#).

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