

Converting Colors

CIELCh(58, 66.034, 309.453)

Have a look what the booklet for
CIELCh(58, 66.034, 309.453)
contains.

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Color

CIELCh(58, 66.097, 309.466)

Conversions

Conversions Part 1

Format	Color
Hex	A473E5
RGB	164, 115, 229
RGB Percent	64%, 45%, 90%
CMY	0.3553, 0.5476, 0.1004
CMYK	0.28, 0.50, 0.00, 0.10
HSL	266°, 69%, 68%
HSV	266°, 50%, 90%
XYZ	35.7661, 25.9610, 77.5552
YIQ	142.6470, -7.3900, 45.8420

Conversions

Conversions Part 2

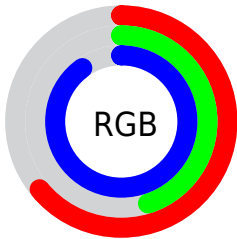
Format	Color
RYB	164, 115, 229
Decimal	10777573
CIELab	58.00, 42.01, -51.03
CIElCh	58, 66.097, 309.466
Yxy	25.9610, 0.2568, 0.1864
Android (android.graphics.Color)	4288967653 (0xFFA473E5)
YUV	142.6470, 42.5720, 18.7266
Hunter-Lab	50.9519, 36.1334, -54.5804

Details

The CIELCh color **58, 66.097, 309.466** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **86, 60.561, 124.188**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 49.969, 314.313**, and **38, 66.159, 309.537** is the 20% darker color. If you saturate the color by 10%, you get **52, 79.625, 310.075**, and if you desaturate by 10%, it is **64, 52.335, 308.823**.

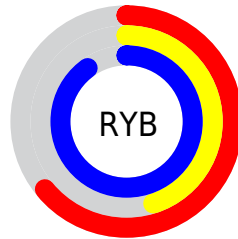
Distribution



Red (64%)

Green (45%)

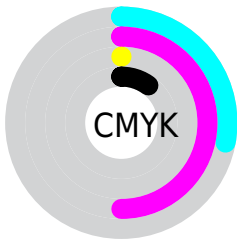
Blue (90%)



Red (64%)

Yellow (45%)

Blue (90%)

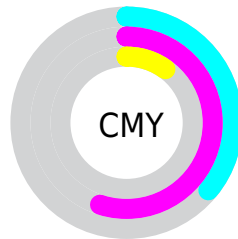


Cyan (28%)

Magenta (50%)

Yellow (0%)

Black (10%)



Cyan (36%)

Magenta (55%)

Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 66.097, 309.466 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, 66.097, 309.466 by changing the saturation by 10% instead.

 58, 66.097,
309.466

 58, 66.097,
309.466

 100, 66.097,
309.466

 48, 66.097,
309.466

 78, 66.097,
309.466

 38, 66.097,
309.466

 88, 66.097,
309.466

 28, 66.097,
309.466

 98, 66.097,
309.466

 18, 66.097,
309.466

 8, 66.097, 309.466

 0, 66.097, 309.466

58, 66.097,
309.466

58, 66.097,
309.466

52, 79.625,
310.075

64, 52.335,
308.823

46, 92.358,
310.575

71, 38.673,
308.191

41, 103.440,
310.853

78, 25.289,
307.597

37, 111.810,
310.772

85, 12.269,
307.051

35, 116.979,
310.286

91, 0.349, 126.873

35, 117.115,
310.272

98, 12.560,
126.150

99, 12.950,
109.199

Harmonies

Complementary

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



58, 66.097, 309.466



86, 60.561, 124.188

Rectangle

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



58, 66.097, 309.466



58, 66.097, 359.466



58, 66.097, 129.466



58, 66.097, 179.466

Sweetspot

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



58, 66.096, 309.466



89, 20.822, 307.339



71, 31.410, 254.732



46, 14.252, 307.456



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, 66.096, 309.466



57, 87.168, 310.112



64, 69.927, 324.514



45, 7.176, 307.038



26, 96.884, 310.451



4, 35.198, 308.562

Inverse Universe

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



64, 53.594, 344.879



65, 68.589, 346.393



83, 69.697, 138.648



45, 6.140, 340.762



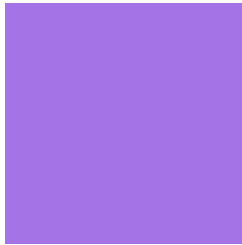
39, 66.088, 355.433



7, 28.430, 349.833

Previews

White Background



This preview shows how the CIELCh color 58, 66.097, 309.466 looks on a white background.

Color Contrast Check

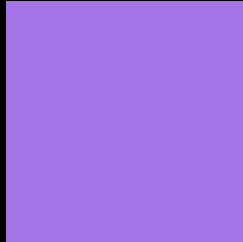
Large Text (above 18pt) WCAG AA ✓ Pass

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, 66.097, 309.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

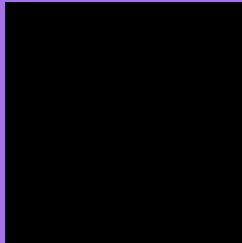
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 66.097, 309.466

Background



This preview shows how black text looks on a background with the CIELCh color 58, 66.097, 309.466.




This preview shows how white text looks on a background with the CIELCh color 58, 66.097, 309.466.

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, 8.327, 331.578

Trichromacy



Original Color
58, 66.097, 309.466



Protanomaly
58, 64.645, 294.154



Deuteranomaly
58, 53.985, 291.988



Tritanomaly
58, 29.124, 312.435

Monochromacy



Original Color
58, 66.097, 309.466



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 24.303, 308.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 66.097, 309.466 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(164, 115, 229)` looks like.

```
.text, #text, p{  
    color:rgb(164, 115, 229)  
}
```

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(164, 115, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 115, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 66.097, 309.466 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(164, 115, 229) }
```

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

```
.border{ border-color:rgb(164, 115, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 115, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 115, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 115, 229);  
box-shadow:4px 4px 4px 4px rgb(164, 115,  
229) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 66.097, 309.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 115, 229) }
```

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

```
.background{ background-color: rgb(164,  
115, 229) }
```

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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