

Converting Colors

CIELCh(58, 86.464, 312.096)

Have a look what the booklet for
CIELCh(58, 86.464, 312.096)
contains.

CIELCh(58, 86.242, 312.003)	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, 86.242, 312.003)

Conversions

Conversions Part 1

Format	Color
Hex	B166FD
RGB	177, 102, 253
RGB Percent	69%, 40%, 99%
CMY	0.3057, 0.5998, 0.0076
CMYK	0.30, 0.60, 0.00, 0.01
HSL	270°, 97%, 70%
HSV	270°, 60%, 99%
XYZ	40.6380, 25.9610, 95.8421
YIQ	141.6390, -3.7710, 62.8610

Conversions

Conversions Part 2

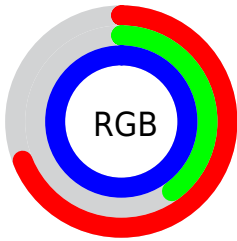
Format	Color
R _Y B	177, 102, 253
Decimal	11626237
CIE Lab	58.00, 57.71, -64.09
CIE LCh	58, 86.242, 312.003
Yxy	25.9610, 0.2502, 0.1598
Android (android.graphics.Color)	4289816317 (0xFFB166FD)
YUV	141.6390, 54.9010, 31.0116
Hunter-Lab	50.9519, 53.2013, -75.8599

Details

The CIELCh color **58, 86.242, 312.003** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **92, 78.672, 126.311**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **75, 59.022, 320.776**, and **38, 85.988, 311.992** is the 20% darker color. If you saturate the color by 10%, you get **52, 99.582, 312.360**, and if you desaturate by 10%, it is **64, 71.848, 311.516**.

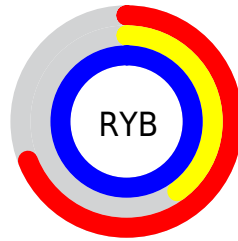
Distribution



Red (69%)

Green (40%)

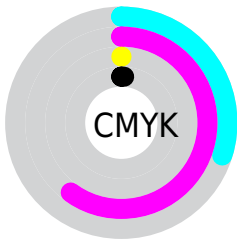
Blue (99%)



Red (69%)

Yellow (40%)

Blue (99%)

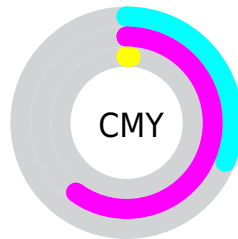


Cyan (30%)

Magenta (60%)

Yellow (0%)

Black (1%)



Cyan (31%)


Magenta (60%)


Yellow (1%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 58, 86.242, 312.003 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, 86.242, 312.003 by changing the saturation by 10% instead.


 58, 86.242,
312.003


 58, 86.242,
312.003


 100, 86.242,
312.003


 48, 86.242,
312.003


 78, 86.242,
312.003

 38, 86.242,
312.003

 88, 86.242,
312.003

 28, 86.242,
312.003

 98, 86.242,
312.003

 18, 86.242,
312.003

 8, 86.242, 312.003

 0, 86.242, 312.003

■ 58, 86.242,
312.003

■ 58, 86.242,
312.003

■ 52, 99.582,
312.360

■ 64, 71.848,
311.516

■ 47, 110.960,
312.484

■ 71, 57.045,
310.972

■ 43, 119.335,
312.255

■ 78, 42.234,
310.418

■ 41, 124.269,
311.626

■ 85, 27.645,
309.884

■ 40, 124.410,
311.605

■ 92, 13.403,
309.382

■ 100, 0.436,
129.261

■ 100, 0.976,
110.026

Harmonies

Complementary

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



58, 86.242, 312.003



92, 78.672, 126.311

Rectangle

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



58, 86.242, 312.003



58, 86.242, 2.003



58, 86.242, 132.003



58, 86.242, 182.003

Sweetspot

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



58, 86.241, 312.003



87, 25.395, 309.798



71, 43.444, 266.189



44, 17.717, 309.949



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, 86.241, 312.003



51, 103.076, 312.415



67, 89.299, 326.936



49, 7.926, 309.374



30, 100.604, 311.796



6, 44.904, 312.787

Inverse Universe

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



65, 65.601, 350.517



60, 75.707, 353.125



89, 90.118, 138.913



50, 6.397, 344.230



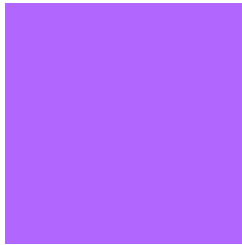
41, 68.283, 1.801



10, 31.900, 356.253

Previews

White Background



This preview shows how the CIELCh color 58, 86.242, 312.003 looks on a white background.

Color Contrast Check

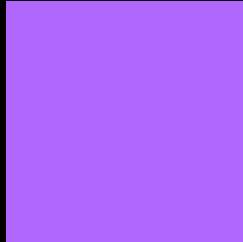
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.242, 312.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

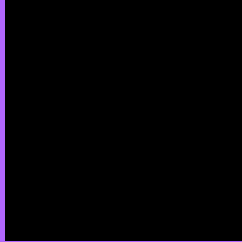
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 58, 86.242, 312.003

Background



This preview shows how black text looks on a background with the CIELCh color 58, 86.242, 312.003.




This preview shows how white text looks on a background with the CIELCh color 58, 86.242, 312.003.

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, 11.048, 349.754

Trichromacy



Original Color
58, 86.242, 312.003



Protanomaly
57, 73.649, 296.069



Deuteranomaly
56, 68.872, 291.451



Tritanomaly
57, 37.801, 316.783

Monochromacy



Original Color
58, 86.242, 312.003



Achromatopsia
59, 0.008, 296.813



Achromatomaly
58, 32.972, 310.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 58, 86.242, 312.003 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(177, 102, 253)` looks like.

```
.text, #text, p{  
    color:rgb(177, 102, 253)  
}
```

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(177, 102, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 102, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 58, 86.242, 312.003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

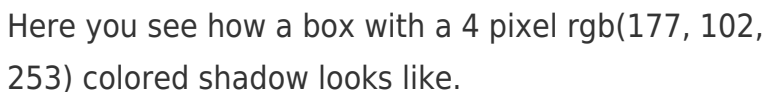
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 102, 253) }
```

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

```
.border{ border-color:rgb(177, 102, 253) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 102, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 102, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 102, 253);  
box-shadow:4px 4px 4px 4px rgb(177, 102,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 58, 86.242, 312.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 102, 253) }
```

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

```
.background{ background-color: rgb(177,  
102, 253) }
```

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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