

Converting Colors

CIELCh(59, 87.347, 313.602)

Have a look what the booklet for
CIELCh(59, 87.347, 313.602)
contains.

CIELCh(59, 87.342, 313.551)	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(59, 87.342, 313.551)

Conversions

Conversions Part 1

Format	Color
Hex	BA66FF
RGB	186, 102, 255
RGB Percent	73%, 40%, 100%
CMY	0.2720, 0.6013, 0.0014
CMYK	0.27, 0.60, 0.00, 0.00
HSL	273°, 100%, 70%
HSV	273°, 60%, 100%
XYZ	42.8716, 27.0277, 97.2575
YIQ	144.5580, 0.9510, 65.3910

Conversions

Conversions Part 2

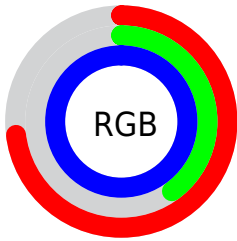
Format	Color
R _Y B	186, 102, 255
Decimal	12216063
CIE Lab	59.00, 60.18, -63.30
CIE LCh	59, 87.342, 313.551
Yxy	27.0277, 0.2565, 0.1617
Android (android.graphics.Color)	4290406143 (0xFFBA66FF)
YUV	144.5580, 54.4479, 36.3446
Hunter-Lab	51.9882, 56.2191, -74.5257

Details

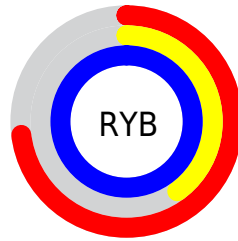
The CIELCh color **59, 87.342, 313.551** is a light color, and the websafe version is hex **CC66FF**. A complement of this color would be **92, 80.716, 128.095**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 59.537, 323.496**, and **39, 87.041, 313.534** is the 20% darker color. If you saturate the color by 10%, you get **53, 100.357, 313.816**, and if you desaturate by 10%, it is **65, 73.103, 313.144**.

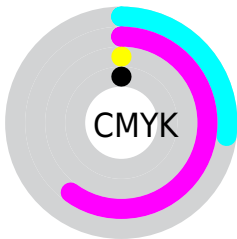
Distribution



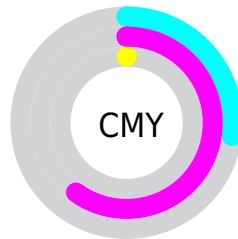
- Red (73%)
- Green (40%)
- Blue (100%)



- Red (73%)
- Yellow (40%)
- Blue (100%)



- Cyan (27%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (27%)
- Magenta (60%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 59, 87.342, 313.551 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 59, 87.342, 313.551 by changing the saturation by 10% instead.


 59, 87.342,
313.551


 59, 87.342,
313.551


 100, 87.342,
313.551


 49, 87.342,
313.551


 79, 87.342,
313.551

 39, 87.342,
313.551

 89, 87.342,
313.551

 29, 87.342,
313.551

 99, 87.342,
313.551

 19, 87.342,
313.551

 9, 87.342, 313.551

 0, 87.342, 313.551

■ 59, 87.342,
313.551

■ 59, 87.342,
313.551

■ 53, 100.357,
313.816

■ 65, 73.103,
313.144

■ 49, 111.256,
313.843

■ 72, 58.310,
312.664

■ 45, 119.086,
313.527

■ 79, 43.403,
312.160

■ 42, 123.579,
312.847

■ 86, 28.646,
311.663

■ 93, 14.189,
311.187

■ 100, 0.111,
309.319

■ 100, 0.173,
109.719

Harmonies

Complementary

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



59, 87.342, 313.551



92, 80.716, 128.095

Rectangle

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



59, 87.342, 313.551



59, 87.342, 3.551



59, 87.342, 133.551



59, 87.342, 183.551

Sweetspot

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



59, 87.341, 313.551



87, 25.652, 311.562



69, 47.166, 271.778



45, 17.890, 311.704



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 87.341, 313.551



52, 102.771, 313.843



68, 88.426, 328.505



49, 8.013, 311.161



31, 99.476, 313.041



7, 44.822, 314.235

Inverse Universe

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



65, 64.805, 354.110



60, 74.307, 356.970



89, 89.620, 139.940



50, 6.181, 347.166



41, 67.998, 6.834



10, 31.495, 0.497

Previews

White Background



This preview shows how the CIELCh color 59, 87.342, 313.551 looks on a white background.

Color Contrast Check

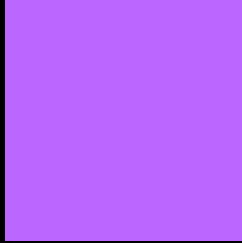
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 87.342, 313.551 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

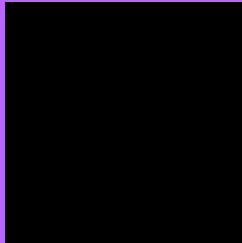
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 87.342, 313.551

Background



This preview shows how black text looks on a background with the CIELCh color 59, 87.342, 313.551.



This preview shows how white text looks on a background with the CIELCh color 59, 87.342, 313.551.

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
59, 14.268, 357.717

Trichromacy



Original Color
59, 87.342, 313.551



Protanomaly
58, 73.491, 297.070



Deuteranomaly
58, 68.018, 292.558



Tritanomaly
58, 39.476, 320.976

Monochromacy



Original Color
59, 87.342, 313.551



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 33.090, 312.007

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 87.342, 313.551 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(186, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(186, 102, 255)  
}
```

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(186, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 102, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 87.342, 313.551 is called "border". The border property can be set on classes, ids or directly on the HTML element.

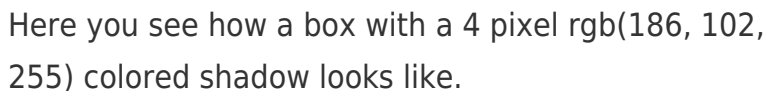
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(186, 102, 255) }
```

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

```
.border{ border-color:rgb(186, 102, 255) }
```

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



Here you see how a box with a 4 pixel `rgb(186, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(186, 102,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 87.342, 313.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 102, 255) }
```

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

```
.background{ background-color: rgb(186,  
102, 255) }
```

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