

Converting Colors

CIELCh(59, 81.217, 312.042)

Have a look what the booklet for
CIELCh(59, 81.217, 312.042)
contains.

CIELCh(59, 80.891, 312.065)	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, 80.891, 312.065)

Conversions

Conversions Part 1

Format	Color
Hex	B36CF9
RGB	179, 108, 249
RGB Percent	70%, 42%, 98%
CMY	0.2993, 0.5776, 0.0248
CMYK	0.28, 0.57, 0.00, 0.02
HSL	270°, 92%, 70%
HSV	270°, 57%, 98%
XYZ	40.8957, 27.0277, 92.4172
YIQ	145.3030, -2.9450, 58.9030

Conversions

Conversions Part 2

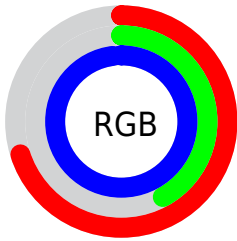
Format	Color
R _Y B	179, 108, 249
Decimal	11758841
CIE Lab	59.00, 54.19, -60.05
CIE LCh	59, 80.891, 312.065
Yxy	27.0277, 0.2551, 0.1686
Android (android.graphics.Color)	4289948921 (0xFFB36CF9)
YUV	145.3030, 51.1226, 29.5523
Hunter-Lab	51.9882, 49.4349, -69.0055

Details

The CIELCh color **59, 80.891, 312.065** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **91, 74.287, 126.632**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 55.594, 320.959**, and **39, 80.950, 312.050** is the 20% darker color. If you saturate the color by 10%, you get **53, 94.406, 312.459**, and if you desaturate by 10%, it is **65, 66.542, 311.565**.

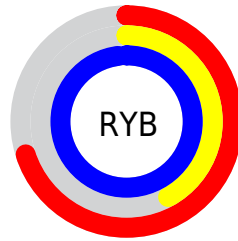
Distribution



Red (70%)

Green (42%)

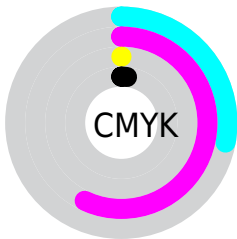
Blue (98%)



Red (70%)

Yellow (42%)

Blue (98%)

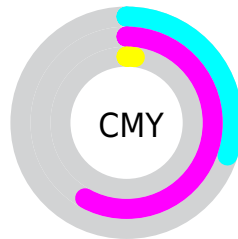


Cyan (28%)

Magenta (57%)

Yellow (0%)

Black (2%)



Cyan (30%)


Magenta (58%)


Yellow (2%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 80.891, 312.065 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, 80.891, 312.065 by changing the saturation by 10% instead.


 59, 80.891,
312.065


 59, 80.891,
312.065


 100, 80.891,
312.065


 49, 80.891,
312.065


 79, 80.891,
312.065

 39, 80.891,
312.065

 89, 80.891,
312.065

 29, 80.891,
312.065

 99, 80.891,
312.065

 19, 80.891,
312.065

 9, 80.891, 312.065

 0, 80.891, 312.065

59, 80.891,
312.065

59, 80.891,
312.065

53, 94.406,
312.459

65, 66.542,
311.565

48, 106.273,
312.654

72, 51.917,
311.023

44, 115.482,
312.534

79, 37.357,
310.480

41, 121.191,
311.995

86, 23.055,
309.960

40, 122.581,
311.769

93, 9.111, 309.471

100, 3.302,
123.686

100, 3.197,
109.915

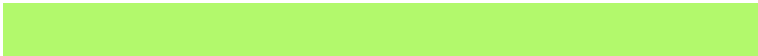
Harmonies

Complementary

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



59, 80.891, 312.065



91, 74.287, 126.632

Rectangle

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



59, 80.891, 312.065



59, 80.891, 2.065



59, 80.891, 132.065



59, 80.891, 182.065

Sweetspot

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



59, 80.890, 312.065



88, 23.981, 309.977



71, 41.754, 267.082



45, 16.085, 310.079



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, 80.890, 312.065



54, 98.041, 312.501



68, 84.695, 327.338



48, 7.806, 309.607



30, 99.448, 311.960



6, 43.247, 312.787

Inverse Universe

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



65, 61.766, 350.409



62, 72.698, 352.671



88, 85.465, 139.542



49, 6.263, 344.597



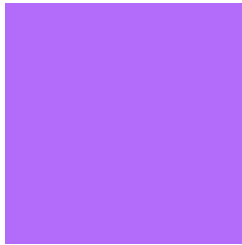
41, 67.537, 2.401



10, 31.032, 356.492

Previews

White Background



This preview shows how the CIELCh color 59, 80.891, 312.065 looks on a white background.

Color Contrast Check

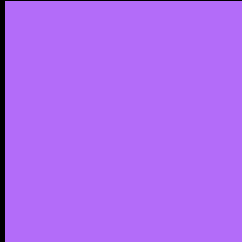
Large Text (above 18pt) WCAG AA ✓ Pass

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, 80.891, 312.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

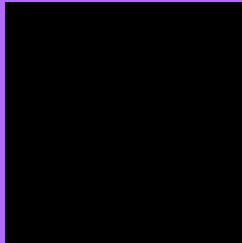
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 80.891, 312.065

Background



This preview shows how black text looks on a background with the CIELCh color 59, 80.891, 312.065.




This preview shows how white text looks on a background with the CIELCh color 59, 80.891, 312.065.

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, 11.636, 348.380

Trichromacy



Original Color
59, 80.891, 312.065



Protanomaly
58, 71.204, 296.033



Deuteranomaly
58, 64.599, 292.637



Tritanomaly
58, 36.178, 317.839

Monochromacy



Original Color
59, 80.891, 312.065



Achromatopsia
60, 0.008, 296.813



Achromatomaly
59, 31.032, 310.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 80.891, 312.065 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(179, 108, 249)` looks like.

```
.text, #text, p{  
    color:rgb(179, 108, 249)  
}
```

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(179, 108, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 108, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 80.891, 312.065 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(179, 108, 249) }
```

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

```
.border{ border-color:rgb(179, 108, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 108, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 108, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 108, 249);  
box-shadow:4px 4px 4px 4px rgb(179, 108,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 80.891, 312.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 108, 249) }
```

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

```
.background{ background-color: rgb(179,  
108, 249) }
```

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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