

Converting Colors

CIELCh(60, 84.733, 316.458)

Have a look what the booklet for
CIELCh(60, 84.733, 316.458)
contains.

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Color

CIELCh(60, 84.733, 316.446)

Conversions

Conversions Part 1

Format	Color
Hex	C566F9
RGB	197, 102, 249
RGB Percent	77%, 40%, 98%
CMY	0.2284, 0.6008, 0.0245
CMYK	0.21, 0.59, 0.00, 0.02
HSL	279°, 92%, 69%
HSV	279°, 59%, 98%
XYZ	44.7567, 28.1233, 92.4994
YIQ	147.1630, 9.4330, 65.8570

Conversions

Conversions Part 2

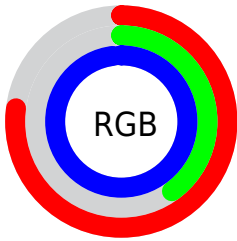
Format	Color
R _Y B	197, 102, 249
Decimal	12936953
CIE Lab	60.00, 61.41, -58.38
CIE LCh	60, 84.733, 316.446
Yxy	28.1233, 0.2706, 0.1701
Android (android.graphics.Color)	4291127033 (0xFFC566F9)
YUV	147.1630, 50.2056, 43.7070
Hunter-Lab	53.0314, 57.8429, -66.2938

Details

The CIELCh color $60, 84.733, 316.446$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $90, 80.331, 131.183$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 60.925, 326.516$, and $40, 85.071, 316.367$ is the 20% darker color. If you saturate the color by 10%, you get $55, 97.094, 316.628$, and if you desaturate by 10%, it is $66, 71.010, 316.122$.

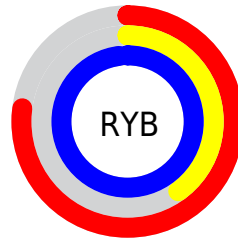
Distribution



Red (77%)

Green (40%)

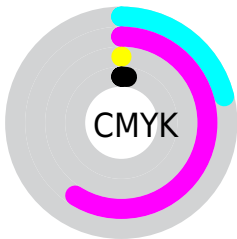
Blue (98%)



Red (77%)

Yellow (40%)

Blue (98%)

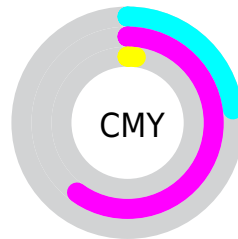


Cyan (21%)

Magenta (59%)

Yellow (0%)

Black (2%)



Cyan (23%)

Magenta (60%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 84.733, 316.446 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 60, 84.733, 316.446 by changing the saturation by 10% instead.

 60, 84.733,
316.446

 60, 84.733,
316.446

 100, 84.733,
316.446

 50, 84.733,
316.446

 80, 84.733,
316.446

 40, 84.733,
316.446

 90, 84.733,
316.446


 30, 84.733,
316.446

 20, 84.733,
316.446

 10, 84.733,
316.446


 0, 84.733, 316.446


 60, 84.733,


 60, 84.733,


316.446


316.446


 55, 97.094,
316.628


 66, 71.010,
316.122


 51, 107.292,
316.593


 72, 56.577,
315.717


 47, 114.537,
316.260

 78, 41.890,
315.273


 45, 118.595,
315.597

 85, 27.247,
314.819

 45, 118.903,
315.532

 92, 12.828,
314.372

 98, 1.265, 134.125

 100, 3.151,
109.918

Harmonies

Complementary

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



60, 84.733, 316.446



90, 80.331, 131.183

Rectangle

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



60, 84.733, 316.446



60, 84.733, 6.446



60, 84.733, 136.446



60, 84.733, 186.446

Sweetspot

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



60, 84.731, 316.446



88, 26.192, 314.772



64, 52.712, 280.461



45, 18.253, 314.903



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 84.731, 316.446



55, 101.224, 316.641



66, 80.120, 331.924



49, 8.061, 314.391



34, 96.495, 315.708



7, 43.110, 316.973

Inverse Universe

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



63, 60.783, 0.865



60, 72.070, 4.235



88, 81.293, 142.742



49, 5.733, 353.183



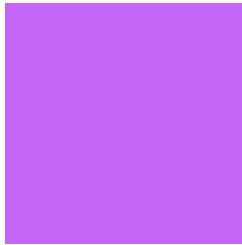
40, 68.441, 16.208



9, 30.462, 8.166

Previews

White Background



This preview shows how the CIELCh color 60, 84.733, 316.446 looks on a white background.

Color Contrast Check

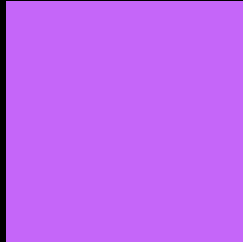
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 84.733, 316.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

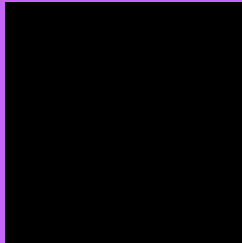
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 84.733, 316.446

Background



This preview shows how black text looks on a background with the CIELCh color 60, 84.733, 316.446.

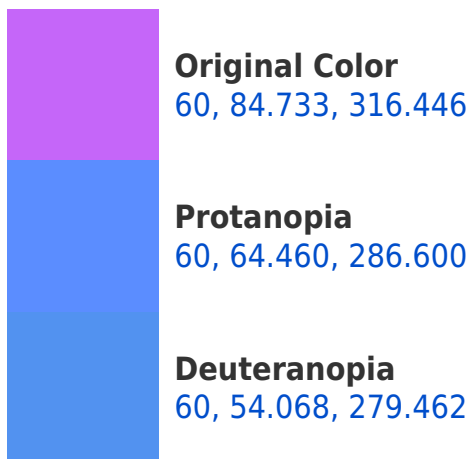


This preview shows how white text looks on a background with the CIELCh color 60, 84.733, 316.446.

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
60, 20.464, 5.851

Trichromacy



Original Color
60, 84.733, 316.446



Protanomaly
59, 71.107, 297.934



Deuteranomaly
59, 63.865, 295.495



Tritanomaly
59, 41.108, 329.030

Monochromacy



Original Color
60, 84.733, 316.446



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 32.423, 315.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 84.733, 316.446 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(197, 102, 249)` looks like.

```
.text, #text, p{  
    color:rgb(197, 102, 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(197, 102, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 102, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 84.733, 316.446 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(197, 102, 249) }
```

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

```
.border{ border-color:rgb(197, 102, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 102, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 102, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 102, 249);  
box-shadow:4px 4px 4px 4px rgb(197, 102,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 84.733, 316.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 102, 249) }
```

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

```
.background{ background-color: rgb(197,  
102, 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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