

Converting Colors

CIELCh(63, 105.769, 306.840)

Have a look what the booklet for
CIELCh(63, 105.769, 306.840)
contains.

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Color

CIELCh(60, 80.253, 309.088)

Conversions

Conversions Part 1

Format	Color
Hex	AC72FF
RGB	172, 114, 255
RGB Percent	67%, 45%, 100%
CMY	0.3272, 0.5510, 0.0000
CMYK	0.33, 0.55, 0.00, 0.00
HSL	264°, 100%, 72%
HSV	264°, 55%, 100%
XYZ	41.1289, 28.1233, 98.3411
YIQ	147.4160, -10.6930, 56.1470

Conversions

Conversions Part 2

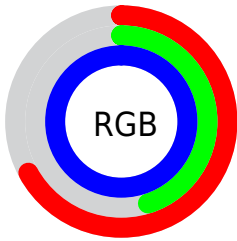
Format	Color
R _Y B	172, 114, 255
Decimal	11301631
CIE Lab	60.00, 50.60, -62.29
CIE LCh	60, 80.253, 309.088
Yxy	28.1233, 0.2454, 0.1678
Android (android.graphics.Color)	4289491711 (0xFFAC72FF)
YUV	147.4160, 53.0389, 21.5602
Hunter-Lab	53.0314, 45.6320, -72.8249

Details

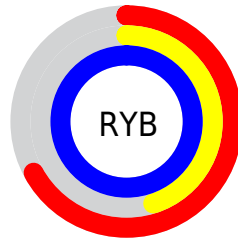
The CIELCh color $60, 80.253, 309.088$ is a light color, and the websafe version is hex $9966FF$. A complement of this color would be $94, 72.022, 123.066$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $77, 51.036, 317.970$, and $40, 79.965, 309.381$ is the 20% darker color. If you saturate the color by 10%, you get $53, 94.422, 309.744$, and if you desaturate by 10%, it is $67, 64.998, 308.446$.

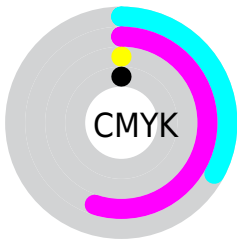
Distribution



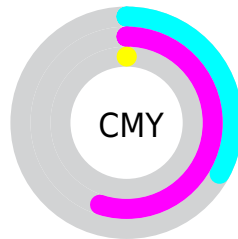
- Red (67%)
- Green (45%)
- Blue (100%)



- Red (67%)
- Yellow (45%)
- Blue (100%)



- Cyan (33%)
- Magenta (55%)
- Yellow (0%)
- Black (0%)




- Cyan (33%)
- Magenta (55%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 80.253, 309.088 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, 80.253, 309.088 by changing the saturation by 10% instead.

 60, 80.253,
309.088


 60, 80.253,
309.088


 100, 80.253,
309.088


 50, 80.253,
309.088


 80, 80.253,
309.088

 40, 80.253,
309.088

 90, 80.253,
309.088


 30, 80.253,
309.088

 20, 80.253,
309.088

 10, 80.253,
309.088

 0, 80.253, 309.088

 60, 80.253,

 60, 80.253,

309.088

309.088

■ 53, 94.422,
309.744

■ 67, 64.998,
308.446

■ 48, 107.556,
310.195

■ 74, 50.003,
307.760

■ 43, 118.236,
310.341

■ 81, 35.251,
307.109

■ 39, 125.288,
310.039

■ 89, 20.878,
306.508

■ 38, 127.584,
309.766

■ 96, 6.942, 305.960

100, 0.012,
296.813

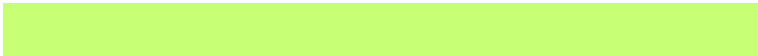
Harmonies

Complementary

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



60, 80.253, 309.088



94, 72.022, 123.066

Rectangle

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



60, 80.253, 309.088



60, 80.253, 359.088



60, 80.253, 129.088



60, 80.253, 179.088

Sweetspot

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



60, 79.967, 309.128



87, 23.579, 306.618



77, 36.803, 254.135



45, 15.822, 306.737



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, 79.967, 309.128



53, 95.675, 309.794



68, 83.199, 324.200



49, 7.793, 306.196



28, 102.547, 309.950



5, 44.901, 310.350

Inverse Universe

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



68, 64.793, 344.287



63, 74.657, 345.912



90, 82.888, 137.779



50, 6.808, 339.609



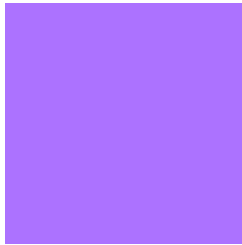
42, 70.174, 353.508



11, 33.054, 349.391

Previews

White Background



This preview shows how the CIELCh color 60, 80.253, 309.088 looks on a white background.

Color Contrast Check

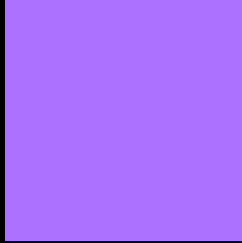
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 60, 80.253, 309.088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

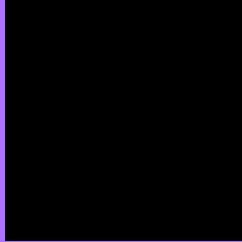
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 80.253, 309.088

Background



This preview shows how black text looks on a background with the CIELCh color 60, 80.253, 309.088.

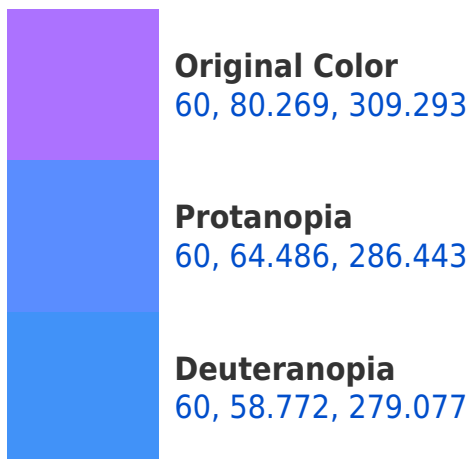


This preview shows how white text looks on a background with the CIELCh color 60, 80.253, 309.088.

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, 7.347, 322.288

Trichromacy



Original Color
60, 80.269, 309.293



Protanomaly
59, 69.834, 295.166



Deuteranomaly
59, 65.519, 290.507



Tritanomaly
59, 34.323, 309.411

Monochromacy



Original Color
60, 80.269, 309.293



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 29.874, 307.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 80.253, 309.088 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(172, 114, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 114, 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(172, 114, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 114, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 80.253, 309.088 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(172, 114, 255) }
```

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

```
.border{ border-color:rgb(172, 114, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 114, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 114, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 114, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 114,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 80.253, 309.088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 114, 255) }
```

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

```
.background{ background-color: rgb(172,  
114, 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](#).

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