

Converting Colors

CIELCh(65, 117.234, 305.540)

Have a look what the booklet for
CIELCh(65, 117.234, 305.540)
contains.

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Color

CIELCh(60, 78.410, 307.798)

Conversions

Conversions Part 1

Format	Color
Hex	A775FF
RGB	167, 117, 255
RGB Percent	65%, 46%, 100%
CMY	0.3454, 0.5415, 0.0004
CMYK	0.35, 0.54, 0.00, 0.00
HSL	262°, 100%, 73%
HSV	262°, 54%, 100%
XYZ	40.3043, 28.1233, 97.8339
YIQ	147.6820, -14.4980, 53.5180

Conversions

Conversions Part 2

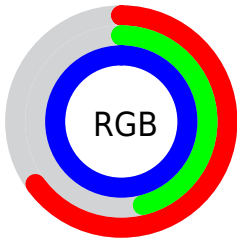
Format	Color
RYB	167, 117, 255
Decimal	10974719
CIELab	60.00, 48.06, -61.96
CIELCh	60, 78.410, 307.798
Yxy	28.1233, 0.2424, 0.1692
Android (android.graphics.Color)	4289164799 (0xFFA775FF)
YUV	147.6820, 52.9078, 16.9419
Hunter-Lab	53.0314, 42.8563, -72.2579

Details

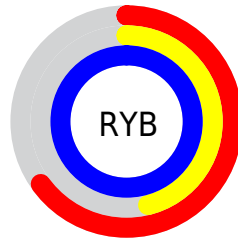
The CIELCh color **60, 78.410, 307.798** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 70.128, 121.364**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 49.230, 315.868**, and **40, 78.388, 307.963** is the 20% darker color. If you saturate the color by 10%, you get **53, 93.139, 308.537**, and if you desaturate by 10%, it is **67, 63.321, 307.018**.

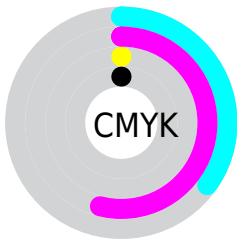
Distribution



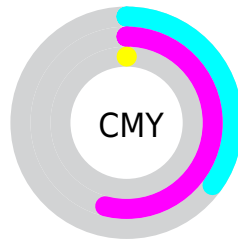
- Red (65%)
- Green (46%)
- Blue (100%)



- Red (65%)
- Yellow (46%)
- Blue (100%)



- Cyan (35%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)




- Cyan (35%)
- Magenta (54%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 78.410, 307.798 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, 78.410, 307.798 by changing the saturation by 10% instead.

 60, 78.410,
307.798


 60, 78.410,
307.798


 100, 78.410,
307.798

 50, 78.410,
307.798


 80, 78.410,
307.798

 40, 78.410,
307.798

 90, 78.410,
307.798

 30, 78.410,
307.798

 20, 78.410,
307.798

 10, 78.410,
307.798

 0, 78.410, 307.798

 60, 78.410,

 60, 78.410,

307.798

307.798

■ 53, 93.139,
308.537

■ 67, 63.321,
307.018

■ 47, 106.740,
309.133

■ 74, 48.320,
306.258

■ 42, 118.053,
309.441

■ 82, 33.636,
305.549

■ 39, 125.770,
309.298

■ 89, 19.374,
304.905

■ 37, 128.665,
309.030

■ 97, 5.576, 304.322

100, 0.035,
107.965

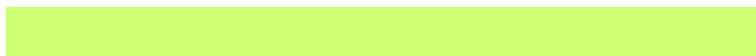
Harmonies

Complementary

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



60, 78.410, 307.798



94, 70.128, 121.364

Rectangle

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



60, 78.410, 307.798



60, 78.410, 357.798



60, 78.410, 127.798



60, 78.410, 177.798

Sweetspot

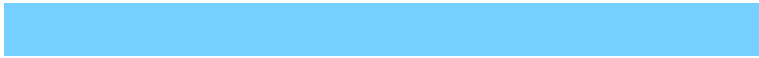
The Sweet Spot groups the original color and five complimentary colors.



60, 78.409, 307.798



88, 22.010, 305.020



79, 34.691, 246.712



45, 14.911, 305.149



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, 78.409, 307.798



53, 94.406, 308.596



68, 81.360, 322.622



49, 7.737, 304.629



27, 103.442, 309.204



5, 44.853, 309.225

Inverse Universe

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



68, 65.494, 341.777



64, 75.721, 343.183



91, 80.435, 136.763



50, 7.022, 337.581



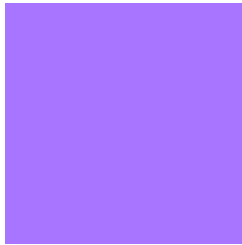
42, 71.657, 349.802



11, 33.792, 346.349

Previews

White Background



This preview shows how the CIELCh color 60, 78.410, 307.798 looks on a white background.

Color Contrast Check

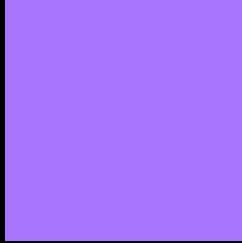
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.410, 307.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

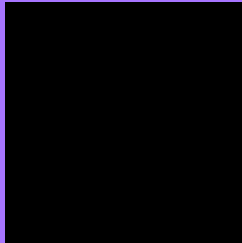
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 78.410, 307.798

Background



This preview shows how black text looks on a background with the CIELCh color 60, 78.410, 307.798.

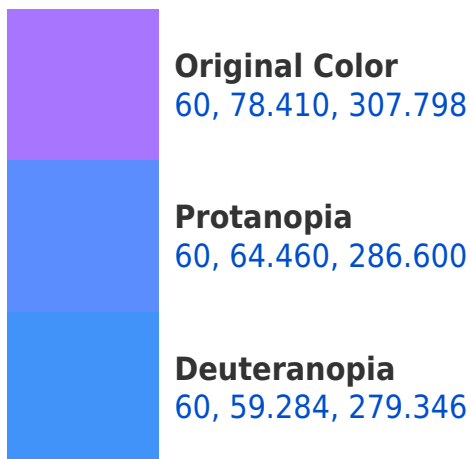



This preview shows how white text looks on a background with the CIELCh color 60, 78.410, 307.798.

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, 6.342, 301.195

Trichromacy



Original Color
60, 78.410, 307.798



Protanomaly
60, 69.239, 294.673



Deuteranomaly
59, 65.561, 290.151



Tritanomaly
60, 33.135, 305.526

Monochromacy



Original Color
60, 78.410, 307.798



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 29.068, 305.614

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 78.410, 307.798 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(167, 117, 255)` looks like.

```
.text, #text, p{  
    color:rgb(167, 117, 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(167, 117, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 117, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 78.410, 307.798 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(167, 117, 255) }
```

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

```
.border{ border-color:rgb(167, 117, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 117, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 117, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 117, 255);  
box-shadow:4px 4px 4px 4px rgb(167, 117,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 78.410, 307.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 117, 255) }
```

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

```
.background{ background-color: rgb(167,  
117, 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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