

Converting Colors

CIELCh(60, 77.803, 317.275)

Have a look what the booklet for
CIELCh(60, 77.803, 317.275)
contains.

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Color

CIELCh(60, 77.771, 317.282)

Conversions

Conversions Part 1

Format	Color
Hex	C46AEF
RGB	196, 106, 239
RGB Percent	77%, 42%, 94%
CMY	0.2329, 0.5857, 0.0643
CMYK	0.18, 0.56, 0.00, 0.06
HSL	281°, 80%, 67%
HSV	281°, 56%, 94%
XYZ	43.2991, 28.1233, 84.5009
YIQ	148.0720, 10.9470, 60.4430

Conversions

Conversions Part 2

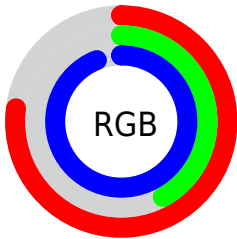
Format	Color
R _Y B	196, 106, 239
Decimal	12872431
CIE Lab	60.00, 57.14, -52.76
CIE LCh	60, 77.771, 317.282
Yxy	28.1233, 0.2777, 0.1804
Android (android.graphics.Color)	4291062511 (0xFFC46AEF)
YUV	148.0720, 44.8275, 42.0329
Hunter-Lab	53.0314, 52.9365, -57.3513

Details

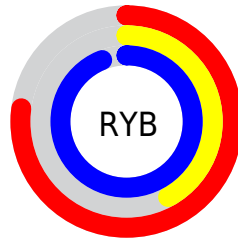
The CIELCh color $60, 77.771, 317.282$ is a light color, and the websafe version is hex `CC66FF`. A complement of this color would be $86, 74.410, 132.213$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 58.540, 326.437$, and $40, 77.638, 317.324$ is the 20% darker color. If you saturate the color by 10%, you get $55, 90.116, 317.503$, and if you desaturate by 10%, it is $66, 64.277, 316.942$.

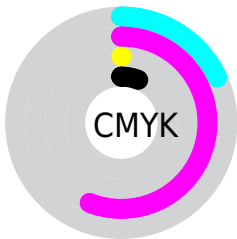
Distribution



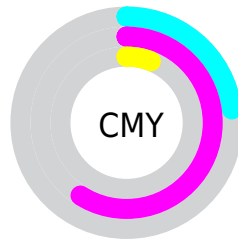
- Red (77%)
- Green (42%)
- Blue (94%)



- Red (77%)
- Yellow (42%)
- Blue (94%)



- Cyan (18%)
- Magenta (56%)
- Yellow (0%)
- Black (6%)



- Cyan (23%)
- Magenta (59%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 77.771, 317.282 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, 77.771, 317.282 by changing the saturation by 10% instead.

 60, 77.771,
317.282


 60, 77.771,
317.282

 100, 77.771,
317.282

 50, 77.771,
317.282


 80, 77.771,
317.282

 40, 77.771,
317.282

 90, 77.771,
317.282

 30, 77.771,
317.282

 20, 77.771,
317.282

 10, 77.771,
317.282

 0, 77.771, 317.282

 60, 77.771,

 60, 77.771,

317.282

55, 90.116,
317.503

51, 100.594,
317.538

47, 108.443,
317.315

45, 113.148,
316.772

44, 114.492,
316.476

317.282

66, 64.277,
316.942

72, 50.208,
316.533

78, 35.958,
316.093

84, 21.787,
315.647

91, 7.851, 315.201

97, 5.762, 134.854

99, 8.544, 122.519

100, 8.300,
109.547

Harmonies

Complementary

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



60, 77.771, 317.282



86, 74.410, 132.213

Rectangle

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



60, 77.771, 317.282



60, 77.771, 7.282



60, 77.771, 137.282



60, 77.771, 187.282

Sweetspot

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



60, 77.769, 317.282



88, 24.886, 315.706



63, 50.280, 281.962



46, 16.678, 315.796



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, 77.769, 317.282



58, 96.578, 317.522



65, 72.273, 332.976



47, 7.848, 315.370



33, 93.975, 316.640



6, 40.090, 317.745

Inverse Universe

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



62, 55.336, 2.295



61, 68.679, 5.375



85, 72.971, 144.203



47, 5.450, 355.204



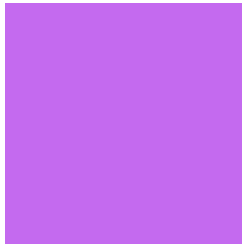
39, 67.791, 18.942



8, 28.760, 8.839

Previews

White Background



This preview shows how the CIELCh color 60, 77.771, 317.282 looks on a white background.

Color Contrast Check

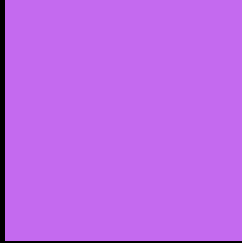
Large Text (above 18pt) WCAG AA ✓ Pass

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, 77.771, 317.282 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

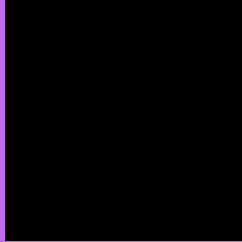
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 77.771, 317.282

Background



This preview shows how black text looks on a background with the CIELCh color 60, 77.771, 317.282.



This preview shows how white text looks on a background with the CIELCh color 60, 77.771, 317.282.

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, 20.859, 6.214

Trichromacy



Original Color
60, 77.771, 317.282



Protanomaly
59, 68.318, 297.703



Deuteranomaly
59, 58.266, 296.611



Tritanomaly
59, 38.155, 331.149

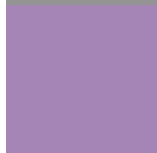
Monochromacy



Original Color
60, 77.771, 317.282



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 29.555, 315.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 77.771, 317.282 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(196, 106, 239)` looks like.

```
.text, #text, p{  
    color:rgb(196, 106, 239)  
}
```

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(196, 106, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 106, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 77.771, 317.282 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(196, 106, 239) }
```

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

```
.border{ border-color:rgb(196, 106, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 106, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 106, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 106, 239); box-shadow:4px 4px 4px 4px rgb(196, 106, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 77.771, 317.282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 106, 239) }
```

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

```
.background{ background-color: rgb(196,  
106, 239) }
```

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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