

Converting Colors

CIELCh(60, 70.693, 311.152)

Have a look what the booklet for
CIELCh(60, 70.693, 311.152)
contains.

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Color

CIELCh(60, 70.453, 311.180)

Conversions

Conversions Part 1

Format	Color
Hex	B075EF
RGB	176, 117, 239
RGB Percent	69%, 46%, 94%
CMY	0.3104, 0.5417, 0.0634
CMYK	0.26, 0.51, 0.00, 0.06
HSL	269°, 79%, 70%
HSV	269°, 51%, 94%
XYZ	39.7698, 28.1233, 84.8696
YIQ	148.5490, -3.9980, 50.4500

Conversions

Conversions Part 2

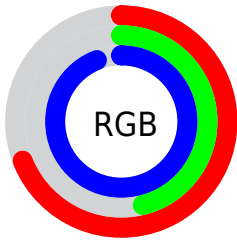
Format	Color
R _Y B	176, 117, 239
Decimal	11564527
CIE Lab	60.00, 46.39, -53.03
CIE LCh	60, 70.453, 311.180
Yxy	28.1233, 0.2603, 0.1841
Android (android.graphics.Color)	4289754607 (0xFFB075EF)
YUV	148.5490, 44.5923, 24.0745
Hunter-Lab	53.0314, 41.0574, -57.7636

Details

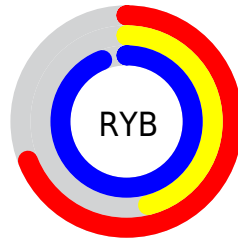
The CIELCh color $60, 70.453, 311.180$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $88, 65.050, 126.116$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 49.523, 318.730$, and $40, 70.345, 311.235$ is the 20% darker color. If you saturate the color by 10%, you get $54, 84.150, 311.677$, and if you desaturate by 10%, it is $66, 56.330, 310.623$.

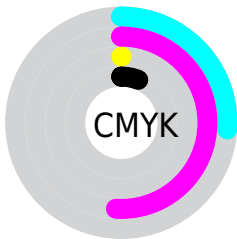
Distribution



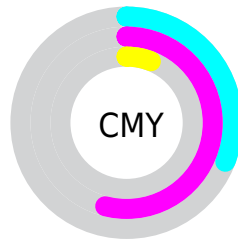
- Red (69%)
- Green (46%)
- Blue (94%)



- Red (69%)
- Yellow (46%)
- Blue (94%)



- Cyan (26%)
- Magenta (51%)
- Yellow (0%)
- Black (6%)





- Cyan (31%)
- Magenta (54%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 70.453, 311.180 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, 70.453, 311.180 by changing the saturation by 10% instead.


 60, 70.453,
311.180


 60, 70.453,
311.180


 100, 70.453,
311.180


 50, 70.453,
311.180


 80, 70.453,
311.180

 40, 70.453,
311.180

 90, 70.453,
311.180

 30, 70.453,
311.180

 20, 70.453,
311.180

 10, 70.453,
311.180

 0, 70.453, 311.180

 60, 70.453,

 60, 70.453,

311.180

54, 84.150,
311.677

48, 96.788,
312.036

44, 107.466,
312.150

40, 115.179,
311.896

38, 119.385,
311.348

311.180

66, 56.330,
310.623

73, 42.183,
310.056

80, 28.243,
309.508

87, 14.631,
308.995

94, 1.405, 308.448

99, 8.407, 122.155

100, 8.180,
109.556

Harmonies

Complementary

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



60, 70.453, 311.180



88, 65.050, 126.116

Rectangle

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



60, 70.453, 311.180



60, 70.453, 1.180



60, 70.453, 131.180



60, 70.453, 181.180

Sweetspot

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



60, 70.452, 311.180



89, 21.022, 309.195



71, 35.840, 263.431



46, 14.385, 309.303



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, 70.452, 311.180



57, 88.625, 311.683



67, 74.846, 326.598



46, 7.513, 308.916



28, 97.839, 311.535



5, 39.568, 311.544

Inverse Universe

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



65, 55.077, 348.230



65, 67.611, 349.911



85, 75.181, 139.874



47, 6.134, 343.518



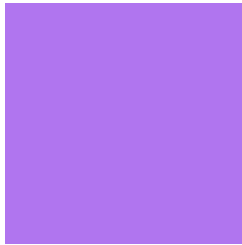
40, 66.421, 0.427



8, 29.604, 354.309

Previews

White Background



This preview shows how the CIELCh color 60, 70.453, 311.180 looks on a white background.

Color Contrast Check

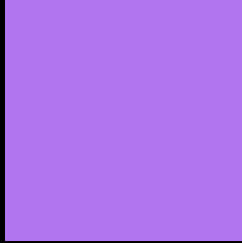
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.453, 311.180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

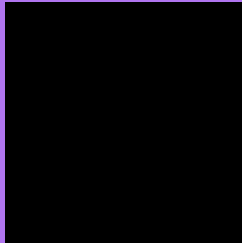
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 70.453, 311.180

Background



This preview shows how black text looks on a background with the CIELCh color 60, 70.453, 311.180.



This preview shows how white text looks on a background with the CIELCh color 60, 70.453, 311.180.

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, 10.287, 343.426

Trichromacy



Original Color
60, 70.453, 311.180



Protanomaly
59, 65.940, 294.825



Deuteranomaly
59, 56.460, 292.589



Tritanomaly
60, 31.533, 316.482

Monochromacy



Original Color
60, 70.453, 311.180



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 26.079, 309.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 70.453, 311.180 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(176, 117, 239)` looks like.

```
.text, #text, p{  
    color:rgb(176, 117, 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(176, 117, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 117, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 70.453, 311.180 is called "border". The border property can be set on classes, ids or directly on the HTML element.

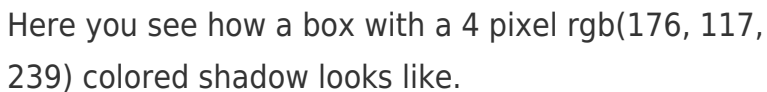
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(176, 117, 239) }
```

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

```
.border{ border-color:rgb(176, 117, 239) }
```

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



Here you see how a box with a 4 pixel `rgb(176, 117, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 117, 239); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 117, 239); box-shadow:4px 4px 4px 4px rgb(176, 117, 239) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 70.453, 311.180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 117, 239) }
```

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

```
.background{ background-color: rgb(176,  
117, 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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