

Converting Colors

CIELCh(60, 72.748, 311.764)

Have a look what the booklet for
CIELCh(60, 72.748, 311.764)
contains.

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Color

CIELCh(60, 72.744, 311.743)

Conversions

Conversions Part 1

Format	Color
Hex	B273F1
RGB	178, 115, 241
RGB Percent	70%, 45%, 95%
CMY	0.3015, 0.5486, 0.0544
CMYK	0.26, 0.52, 0.00, 0.05
HSL	270°, 82%, 70%
HSV	270°, 52%, 95%
XYZ	40.4256, 28.1233, 86.6120
YIQ	148.2010, -2.8980, 52.5420

Conversions

Conversions Part 2

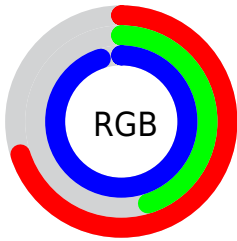
Format	Color
RYB	178, 115, 241
Decimal	11695089
CIELab	60.00, 48.43, -54.28
CIELCh	60, 72.744, 311.743
Yxy	28.1233, 0.2605, 0.1813
Android (android.graphics.Color)	4289885169 (0xFFB273F1)
YUV	148.2010, 45.7499, 26.1337
Hunter-Lab	53.0314, 43.2645, -59.7116

Details

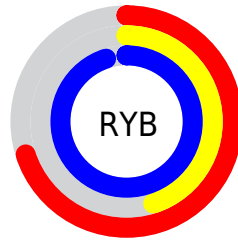
The CIELCh color $60, 72.744, 311.743$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $89, 67.254, 126.661$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $78, 51.017, 319.667$, and $40, 72.531, 311.800$ is the 20% darker color. If you saturate the color by 10%, you get $54, 86.389, 312.200$, and if you desaturate by 10%, it is $66, 58.568, 311.214$.

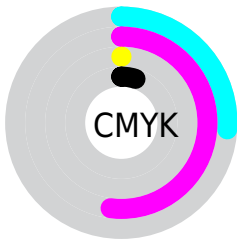
Distribution



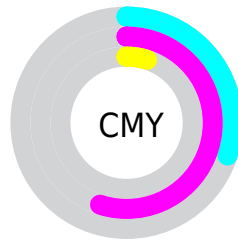
- Red (70%)
- Green (45%)
- Blue (95%)



- Red (70%)
- Yellow (45%)
- Blue (95%)



- Cyan (26%)
- Magenta (52%)
- Yellow (0%)
- Black (5%)





- Cyan (30%)
- Magenta (55%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 72.744, 311.743 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, 72.744, 311.743 by changing the saturation by 10% instead.


 60, 72.744,
311.743


 60, 72.744,
311.743


 100, 72.744,
311.743

 50, 72.744,
311.743


 80, 72.744,
311.743

 40, 72.744,
311.743

 90, 72.744,
311.743

 30, 72.744,
311.743

 20, 72.744,
311.743

 10, 72.744,
311.743

 0, 72.744, 311.743

 60, 72.744,

 60, 72.744,

311.743

54, 86.389,
312.200

49, 98.830,
312.504

44, 109.145,
312.549

40, 116.365,
312.216

39, 119.823,
311.709

311.743

66, 58.568,
311.214

73, 44.302,
310.664

80, 30.201,
310.128

87, 16.406,
309.621

94, 2.988, 309.122

99, 7.229, 122.549

100, 7.024,
109.641

Harmonies

Complementary

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



60, 72.744, 311.743



89, 67.254, 126.661

Rectangle

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



60, 72.744, 311.743



60, 72.744, 1.743



60, 72.744, 131.743



60, 72.744, 181.743

Sweetspot

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



60, 72.743, 311.743



88, 22.525, 309.809



71, 37.695, 265.685



46, 15.251, 309.914



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, 72.743, 311.743



56, 91.401, 312.236



68, 77.165, 327.153



46, 7.538, 309.486



29, 97.494, 311.903



5, 39.632, 312.067

Inverse Universe

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



65, 56.187, 349.434



64, 68.818, 351.378



86, 77.678, 140.057



47, 6.066, 344.404



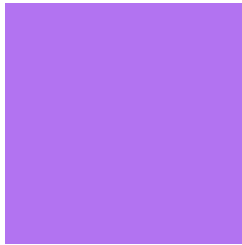
39, 66.219, 1.981



8, 29.444, 355.564

Previews

White Background



This preview shows how the CIELCh color 60, 72.744, 311.743 looks on a white background.

Color Contrast Check

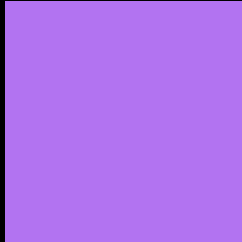
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.744, 311.743 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

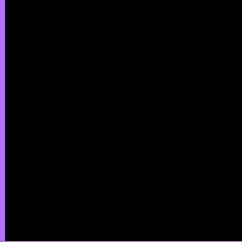
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 72.744, 311.743

Background



This preview shows how black text looks on a background with the CIELCh color 60, 72.744, 311.743.



This preview shows how white text looks on a background with the CIELCh color 60, 72.744, 311.743.

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, 11.262, 347.223

Trichromacy



Original Color
60, 72.744, 311.743



Protanomaly
60, 66.473, 295.101



Deuteranomaly
59, 58.162, 293.163



Tritanomaly
60, 32.472, 317.913

Monochromacy



Original Color
60, 72.744, 311.743



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 27.375, 310.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 72.744, 311.743 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(178, 115, 241)` looks like.

```
.text, #text, p{  
    color:rgb(178, 115, 241)  
}
```

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(178, 115, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 115, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 72.744, 311.743 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(178, 115, 241) }
```

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

```
.border{ border-color:rgb(178, 115, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 115, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 115, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 115, 241);  
box-shadow:4px 4px 4px 4px rgb(178, 115,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 72.744, 311.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 115, 241) }
```

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

```
.background{ background-color: rgb(178,  
115, 241) }
```

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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