

Converting Colors

CIELCh(66, 44.883, 311.042)

Have a look what the booklet for
CIELCh(66, 44.883, 311.042)
contains.

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Color

CIELCh(66, 44.734, 311.007)

Conversions

Conversions Part 1

Format	Color
Hex	B790DD
RGB	183, 144, 221
RGB Percent	72%, 56%, 87%
CMY	0.2816, 0.4346, 0.1326
CMYK	0.17, 0.35, 0.00, 0.13
HSL	270°, 53%, 72%
HSV	270°, 35%, 87%
XYZ	42.6527, 35.3238, 73.1144
YIQ	164.4390, -1.4730, 32.2150

Conversions

Conversions Part 2

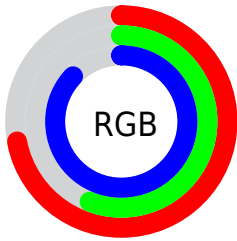
Format	Color
R _Y B	183, 144, 221
Decimal	12030173
CIE Lab	66.00, 29.35, -33.76
CIE LCh	66, 44.734, 311.007
Yxy	35.3238, 0.2823, 0.2338
Android (android.graphics.Color)	4290220253 (0xFFB790DD)
YUV	164.4390, 27.8846, 16.2780
Hunter-Lab	59.4338, 24.0912, -31.3338

Details

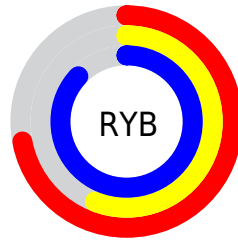
The CIELCh color $66, 44.734, 311.007$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $84, 42.603, 127.668$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 33.346, 317.854$, and $46, 44.977, 311.031$ is the 20% darker color. If you saturate the color by 10%, you get $60, 58.038, 311.545$, and if you desaturate by 10%, it is $72, 31.526, 310.474$.

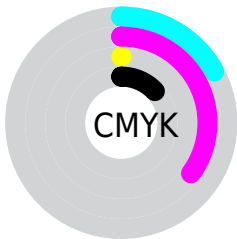
Distribution



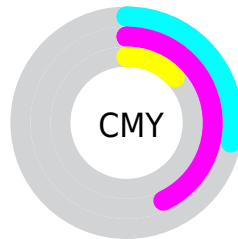
- Red (72%)
- Green (56%)
- Blue (87%)



- Red (72%)
- Yellow (56%)
- Blue (87%)



- Cyan (17%)
- Magenta (35%)
- Yellow (0%)
- Black (13%)



- Cyan (28%)
- Magenta (43%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 44.734, 311.007 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 66, 44.734, 311.007 by changing the saturation by 10% instead.

 66, 44.734,
311.007


 66, 44.734,
311.007


 100, 44.734,
311.007


 56, 44.734,
311.007


 86, 44.734,
311.007

 46, 44.734,
311.007

 96, 44.734,
311.007

 36, 44.734,
311.007

 26, 44.734,
311.007

 16, 44.734,
311.007

 6, 44.734, 311.007

 0, 44.734, 311.007

66, 44.734,
311.007

66, 44.734,
311.007

60, 58.038,
311.545

72, 31.526,
310.474

54, 71.171,
312.051

79, 18.574,
309.966

48, 83.677,
312.469

85, 5.956, 309.484

44, 94.877,
312.713

92, 6.293, 129.103

40, 103.893,
312.674

98, 18.165,
128.711

37, 109.884,
312.243

99, 17.277,
116.552

35, 112.058,
311.914

99, 17.096,
108.885

Harmonies

Complementary

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



66, 44.734, 311.007



84, 42.603, 127.668

Rectangle

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



66, 44.734, 311.007



66, 44.734, 1.007



66, 44.734, 131.007



66, 44.734, 181.007

Sweetspot

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



66, 44.732, 311.007



93, 13.978, 309.736



73, 23.767, 261.155



48, 9.555, 309.804



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66, 44.732, 311.007



70, 60.948, 311.413



70, 49.374, 326.318



43, 7.015, 309.705



27, 93.275, 312.099



3, 31.291, 309.663

Inverse Universe

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



69, 35.318, 347.386



74, 47.697, 348.343



82, 49.420, 141.899



43, 5.614, 344.752



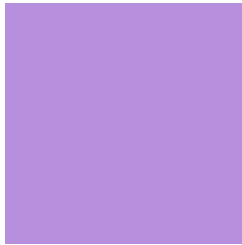
37, 63.428, 2.399



6, 25.004, 354.984

Previews

White Background



This preview shows how the CIELCh color 66, 44.734, 311.007 looks on a white background.

Color Contrast Check

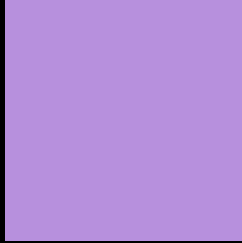
Large Text (above 18pt) WCAG AA × Fail

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 66, 44.734, 311.007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

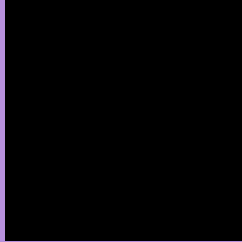
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 44.734, 311.007

Background



This preview shows how black text looks on a background with the CIELCh color 66, 44.734, 311.007.

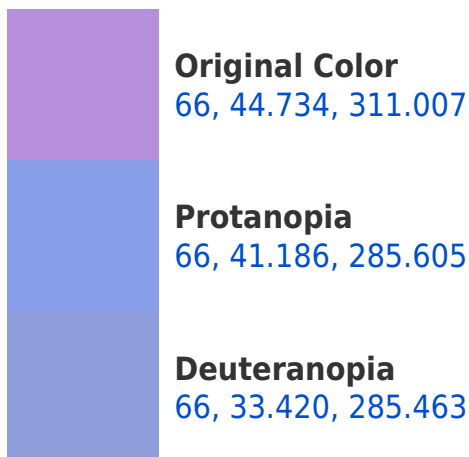



This preview shows how white text looks on a background with the CIELCh color 66, 44.734, 311.007.

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
66, 9.853, 337.950

Trichromacy



Original Color
66, 44.734, 311.007

Protanomaly
66, 41.624, 294.776

Deuteranomaly
66, 36.727, 296.378

Tritanomaly
66, 22.187, 317.240

Monochromacy



Original Color
66, 44.734, 311.007

Achromatopsia
68, 0.008, 296.813

Achromatomaly
67, 16.508, 310.965

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 44.734, 311.007 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(183, 144, 221)` looks like.

```
.text, #text, p{  
    color:rgb(183, 144, 221)  
}
```

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(183, 144, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 144, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 44.734, 311.007 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(183, 144, 221) }
```

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

```
.border{ border-color:rgb(183, 144, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 144, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 144, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 144, 221);  
box-shadow:4px 4px 4px 4px rgb(183, 144,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 44.734, 311.007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 144, 221) }
```

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

```
.background{ background-color: rgb(183,  
144, 221) }
```

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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