

Converting Colors

CIELCh(66, 47.036, 308.499)

Have a look what the booklet for
CIELCh(66, 47.036, 308.499)
contains.

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Color

CIELCh(66, 46.988, 308.489)

Conversions

Conversions Part 1

Format	Color
Hex	B491E3
RGB	180, 145, 227
RGB Percent	71%, 57%, 89%
CMY	0.2956, 0.4328, 0.1113
CMYK	0.21, 0.36, 0.00, 0.11
HSL	266°, 59%, 73%
HSV	266°, 36%, 89%
XYZ	42.6164, 35.3238, 76.9639
YIQ	164.8130, -5.4620, 32.9220

Conversions

Conversions Part 2

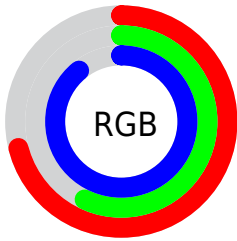
Format	Color
RYB	180, 145, 227
Decimal	11833827
CIELab	66.00, 29.24, -36.78
CIElCh	66, 46.988, 308.489
Yxy	35.3238, 0.2751, 0.2280
Android (android.graphics.Color)	4290023907 (0xFFB491E3)
YUV	164.8130, 30.6582, 13.3190
Hunter-Lab	59.4338, 23.9822, -35.1739

Details

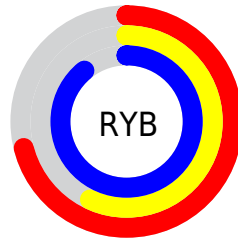
The CIELCh color $66, 46.988, 308.489$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86, 44.213, 124.678$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 32.311, 315.991$, and $46, 46.884, 308.659$ is the 20% darker color. If you saturate the color by 10%, you get $60, 60.606, 309.137$, and if you desaturate by 10%, it is $73, 33.545, 307.865$.

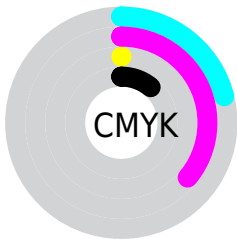
Distribution



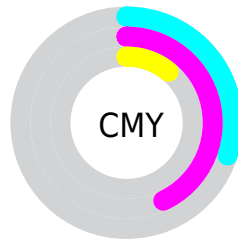
- Red (71%)
- Green (57%)
- Blue (89%)



- Red (71%)
- Yellow (57%)
- Blue (89%)



- Cyan (21%)
- Magenta (36%)
- Yellow (0%)
- Black (11%)



- Cyan (30%)
- Magenta (43%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 46.988, 308.489 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, 46.988, 308.489 by changing the saturation by 10% instead.

 66, 46.988,
308.489

 66, 46.988,
308.489

 100, 46.988,
308.489

 56, 46.988,
308.489


 86, 46.988,
308.489

 46, 46.988,
308.489

 96, 46.988,
308.489

 36, 46.988,
308.489

 26, 46.988,
308.489

 16, 46.988,
308.489

 6, 46.988, 308.489

 0, 46.988, 308.489

66, 46.988,
308.489

66, 46.988,
308.489

60, 60.606,
309.137

73, 33.545,
307.865

53, 74.142,
309.771

79, 20.420,
307.285

48, 87.128,
310.327

86, 7.675, 306.752

42, 98.824,
310.708

93, 4.668, 126.318

38, 108.222,
310.780

99, 14.901,
123.726

35, 114.340,
310.413

99, 14.364,
109.092

34, 116.105,
310.218

Harmonies

Complementary

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



66, 46.988, 308.489



86, 44.213, 124.678

Rectangle

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



66, 46.988, 308.489



66, 46.988, 358.489



66, 46.988, 128.489



66, 46.988, 178.489

Sweetspot

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



66, 46.986, 308.489



92, 15.166, 307.008



76, 23.255, 251.441



48, 10.212, 307.081



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, 46.986, 308.489



69, 61.952, 308.949



70, 51.223, 323.944



44, 7.040, 306.922



26, 95.909, 310.400



3, 32.978, 307.555

Inverse Universe

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



70, 39.248, 343.104



74, 51.080, 343.901



84, 50.968, 139.830



44, 6.041, 340.600



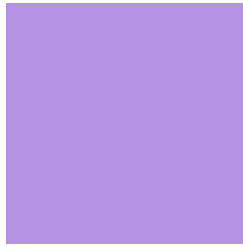
38, 65.477, 355.105



7, 27.309, 349.412

Previews

White Background



This preview shows how the CIELCh color 66, 46.988, 308.489 looks on a white background.

Color Contrast Check

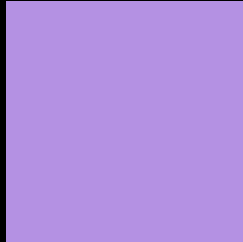
Large Text (above 18pt) WCAG AA × Fail

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, 46.988, 308.489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

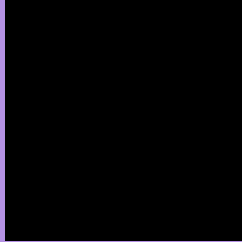
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 46.988, 308.489

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.988, 308.489.

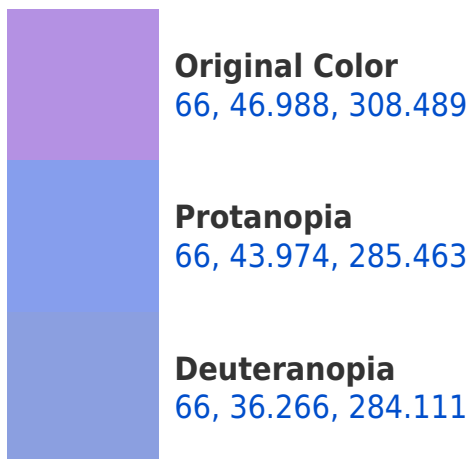



This preview shows how white text looks on a background with the CIELCh color 66, 46.988, 308.489.

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, 8.303, 326.982

Trichromacy



Original Color
66, 46.988, 308.489



Protanomaly
66, 44.355, 293.830



Deuteranomaly
66, 39.383, 294.135



Tritanomaly
66, 21.849, 311.336

Monochromacy



Original Color
66, 46.988, 308.489



Achromatopsia
67, 0.008, 296.813



Achromatomaly
67, 17.340, 307.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.988, 308.489 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(180, 145, 227)` looks like.

```
.text, #text, p{  
    color:rgb(180, 145, 227)  
}
```

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(180, 145, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 145, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.988, 308.489 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(180, 145, 227) }
```

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

```
.border{ border-color:rgb(180, 145, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 145, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 145, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 145, 227);  
box-shadow:4px 4px 4px 4px rgb(180, 145,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.988, 308.489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 145, 227) }
```

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

```
.background{ background-color: rgb(180,  
145, 227) }
```

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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