

Converting Colors

CIELCh(66, 66.443, 315.390)

Have a look what the booklet for
CIELCh(66, 66.443, 315.390)
contains.

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Color

CIELCh(66, 66.352, 315.289)

Conversions

Conversions Part 1

Format	Color
Hex	CA83F5
RGB	202, 131, 245
RGB Percent	79%, 51%, 96%
CMY	0.2083, 0.4867, 0.0397
CMYK	0.18, 0.47, 0.00, 0.04
HSL	277°, 85%, 74%
HSV	277°, 47%, 96%
XYZ	48.8842, 35.3238, 90.5231
YIQ	165.2250, 5.7220, 50.5060

Conversions

Conversions Part 2

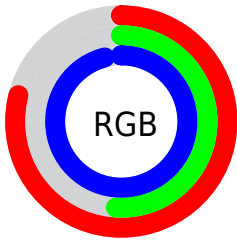
Format	Color
R _Y B	202, 131, 245
Decimal	13272053
CIE Lab	66.00, 47.15, -46.68
CIE LCh	66, 66.352, 315.289
Yxy	35.3238, 0.2798, 0.2022
Android (android.graphics.Color)	4291462133 (0xFFCA83F5)
YUV	165.2250, 39.3291, 32.2517
Hunter-Lab	59.4338, 42.8067, -48.7003

Details

The CIELCh color $66, 66.352, 315.289$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $90, 63.289, 131.014$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 43.248, 325.923$, and $46, 66.272, 315.423$ is the 20% darker color. If you saturate the color by 10%, you get $60, 80.196, 315.656$, and if you desaturate by 10%, it is $72, 51.987, 314.857$.

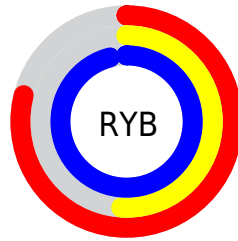
Distribution



Red (79%)

Green (51%)

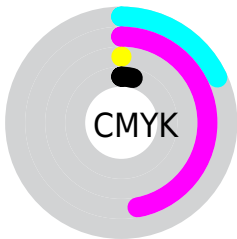
Blue (96%)



Red (79%)

Yellow (51%)

Blue (96%)

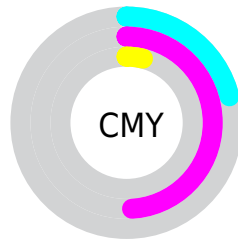


Cyan (18%)

Magenta (47%)

Yellow (0%)

Black (4%)



Cyan (21%)


Magenta (49%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 66.352, 315.289 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, 66.352, 315.289 by changing the saturation by 10% instead.

 66, 66.352,
315.289


 66, 66.352,
315.289


 100, 66.352,
315.289

 56, 66.352,
315.289


 86, 66.352,
315.289

 46, 66.352,
315.289

 96, 66.352,
315.289

 36, 66.352,
315.289

 26, 66.352,
315.289

 16, 66.352,
315.289

 6, 66.352, 315.289

 0, 66.352, 315.289

66, 66.352,
315.289

66, 66.352,
315.289

60, 80.196,
315.656

72, 51.987,
314.857

55, 92.941,
315.899

79, 37.502,
314.399

50, 103.816,
315.944

85, 23.142,
313.941

47, 111.982,
315.704

92, 9.052, 313.492

44, 116.857,
315.109

99, 4.688, 133.142

43, 118.056,
314.857

100, 5.125,
109.780

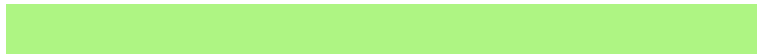
Harmonies

Complementary

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



66, 66.352, 315.289



90, 63.289, 131.014

Rectangle

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



66, 66.352, 315.289



66, 66.352, 5.289



66, 66.352, 135.289



66, 66.352, 185.289

Sweetspot

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



66, 66.350, 315.289



90, 20.173, 313.827



71, 39.746, 275.505



47, 13.961, 313.925



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, 66.350, 315.289



63, 82.103, 315.642



70, 65.221, 330.568



48, 7.880, 313.624



32, 95.972, 315.040



6, 41.653, 316.184

Inverse Universe

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



68, 48.322, 356.569



66, 59.470, 358.457



88, 65.480, 143.846



48, 5.713, 351.666



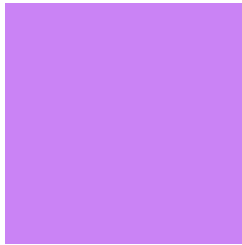
39, 67.280, 13.906



9, 29.626, 5.786

Previews

White Background



This preview shows how the CIELCh color 66, 66.352, 315.289 looks on a white background.

Color Contrast Check

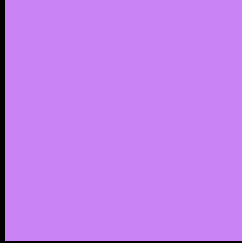
Large Text (above 18pt) WCAG AA × Fail

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, 66.352, 315.289 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

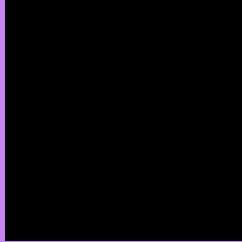
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 66.352, 315.289

Background



This preview shows how black text looks on a background with the CIELCh color 66, 66.352, 315.289.



This preview shows how white text looks on a background with the CIELCh color 66, 66.352, 315.289.

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, 16.523, 357.504

Trichromacy



Original Color
66, 66.352, 315.289



Protanomaly
66, 57.156, 296.924



Deuteranomaly
65, 51.127, 296.571



Tritanomaly
66, 32.787, 326.955

Monochromacy



Original Color
66, 66.352, 315.289



Achromatopsia
68, 0.008, 296.813



Achromatomaly
67, 24.506, 313.710

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 66.352, 315.289 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(202, 131, 245)` looks like.

```
.text, #text, p{  
    color:rgb(202, 131, 245)  
}
```

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(202, 131, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 131, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 66.352, 315.289 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(202, 131, 245) }
```

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

```
.border{ border-color:rgb(202, 131, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 131, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 131, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 131, 245);  
box-shadow:4px 4px 4px 4px rgb(202, 131,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 66.352, 315.289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 131, 245) }
```

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

```
.background{ background-color: rgb(202,  
131, 245) }
```

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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