

Converting Colors

CIELCh(66, 56.522, 304.251)

Have a look what the booklet for
CIELCh(66, 56.522, 304.251)
contains.

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Color

CIELCh(66, 56.733, 304.120)

Conversions

Conversions Part 1

Format	Color
Hex	AC90F5
RGB	172, 144, 245
RGB Percent	67%, 56%, 96%
CMY	0.3254, 0.4352, 0.0391
CMYK	0.30, 0.41, 0.00, 0.04
HSL	257°, 84%, 76%
HSV	257°, 41%, 96%
XYZ	43.4839, 35.3238, 90.9375
YIQ	163.8860, -15.7330, 37.3470

Conversions

Conversions Part 2

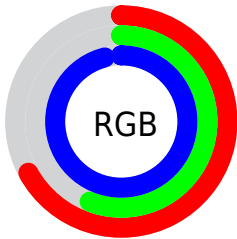
Format	Color
RYB	172, 144, 245
Decimal	11309301
CIELab	66.00, 31.82, -46.97
CIElCh	66, 56.733, 304.120
Yxy	35.3238, 0.2562, 0.2081
Android (android.graphics.Color)	4289499381 (0xFFAC90F5)
YUV	163.8860, 39.9892, 7.1160
Hunter-Lab	59.4338, 26.5878, -49.1137

Details

The CIELCh color `66, 56.733, 304.120` is a light color, and the websafe version is hex `9999FF`. A complement of this color would be `93, 51.804, 118.467`, and the grayscale version is `67, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 31.995, 311.605`, and `46, 56.733, 304.247` is the 20% darker color. If you saturate the color by 10%, you get `59, 71.495, 305.105`, and if you desaturate by 10%, it is `73, 42.258, 303.205`.

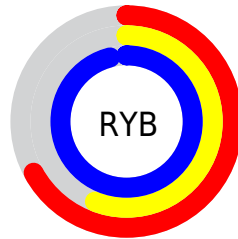
Distribution



Red (67%)

Green (56%)

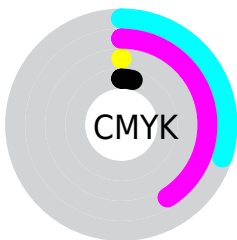
Blue (96%)



Red (67%)

Yellow (56%)

Blue (96%)

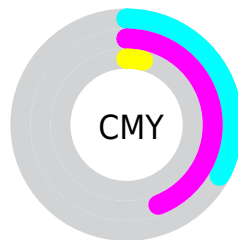


Cyan (30%)

Magenta (41%)

Yellow (0%)

Black (4%)



Cyan (33%)


Magenta (44%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 56.733, 304.120 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, 56.733, 304.120 by changing the saturation by 10% instead.


 66, 56.733,
304.120


 66, 56.733,
304.120


 100, 56.733,
304.120


 56, 56.733,
304.120


 86, 56.733,
304.120

 46, 56.733,
304.120

 96, 56.733,
304.120

 36, 56.733,
304.120

 26, 56.733,
304.120

 16, 56.733,
304.120

 6, 56.733, 304.120

 0, 56.733, 304.120

66, 56.733,
304.120

66, 56.733,
304.120

59, 71.495,
305.105

73, 42.258,
303.205

52, 86.232,
306.110

81, 28.215,
302.380

46, 100.319,
307.043

88, 14.651,
301.650

40, 112.680,
307.749

96, 1.573, 300.986

36, 121.853,
308.034

100, 5.043,
109.786

34, 126.727,
307.895

Harmonies

Complementary

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



66, 56.733, 304.120



93, 51.804, 118.467

Rectangle

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



66, 56.733, 304.120



66, 56.733, 354.120



66, 56.733, 124.120



66, 56.733, 174.120

Sweetspot

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



66, 56.732, 304.120



91, 16.209, 301.705



83, 26.057, 231.505



47, 10.777, 301.797



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, 56.732, 304.120



63, 70.456, 304.893



71, 60.144, 319.586



47, 7.393, 301.532



25, 102.903, 308.039



4, 40.764, 306.086

Inverse Universe

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



72, 52.295, 336.419



71, 63.378, 337.102



90, 58.851, 135.565



48, 7.215, 333.989



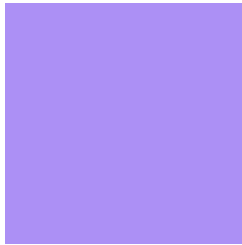
42, 73.950, 343.251



10, 33.720, 340.742

Previews

White Background



This preview shows how the CIELCh color 66, 56.733, 304.120 looks on a white background.

Color Contrast Check

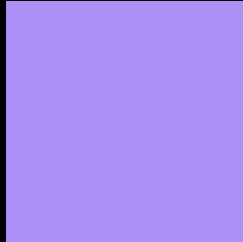
Large Text (above 18pt) WCAG AA × Fail

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, 56.733, 304.120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

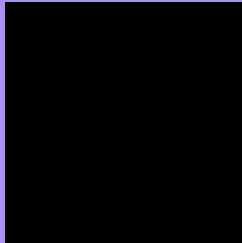
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 56.733, 304.120

Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.733, 304.120.




This preview shows how white text looks on a background with the CIELCh color 66, 56.733, 304.120.

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, 6.681, 284.554

Trichromacy



Original Color
66, 56.733, 304.120

Protanomaly
66, 54.816, 292.383

Deuteranomaly
66, 49.326, 290.424

Tritanomaly
66, 25.267, 299.763

Monochromacy



Original Color
66, 56.733, 304.120

Achromatopsia
67, 0.008, 296.813

Achromatomaly
67, 20.328, 302.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 56.733, 304.120 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(172, 144, 245)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 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(172, 144, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 56.733, 304.120 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(172, 144, 245) }
```

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

```
.border{ border-color:rgb(172, 144, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 245);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 56.733, 304.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 245) }
```

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

```
.background{ background-color: rgb(172,  
144, 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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