

Converting Colors

CIELCh(66, 56.320, 307.441)

Have a look what the booklet for
CIELCh(66, 56.320, 307.441)
contains.

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Color

CIELCh(66, 56.198, 307.454)

Conversions

Conversions Part 1

Format	Color
Hex	B48EF1
RGB	180, 142, 241
RGB Percent	71%, 56%, 95%
CMY	0.2948, 0.4437, 0.0556
CMYK	0.25, 0.41, 0.00, 0.06
HSL	263°, 78%, 75%
HSV	263°, 41%, 94%
XYZ	44.2853, 35.3238, 87.5690
YIQ	164.6480, -9.1310, 38.8450

Conversions

Conversions Part 2

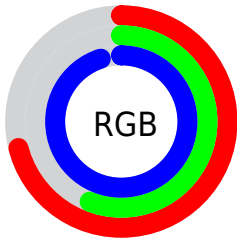
Format	Color
RYB	180, 142, 241
Decimal	11833073
CIELab	66.00, 34.18, -44.61
CIElCh	66, 56.198, 307.454
Yxy	35.3238, 0.2649, 0.2113
Android (android.graphics.Color)	4290023153 (0xFFB48EF1)
YUV	164.6480, 37.6415, 13.4637
Hunter-Lab	59.4338, 28.9944, -45.7534

Details

The CIELCh color $66, 56.198, 307.454$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $91, 52.041, 122.784$, and the grayscale version is $67, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 34.201, 316.565$, and $46, 55.983, 307.539$ is the 20% darker color. If you saturate the color by 10%, you get $59, 70.577, 308.185$, and if you desaturate by 10%, it is $73, 41.952, 306.746$.

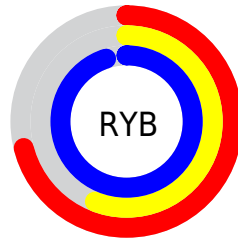
Distribution



Red (71%)

Green (56%)

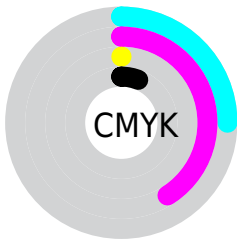
Blue (95%)



Red (71%)

Yellow (56%)

Blue (95%)

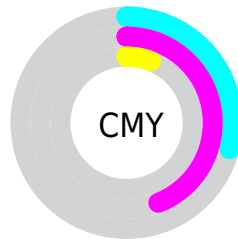


Cyan (25%)

Magenta (41%)

Yellow (0%)

Black (6%)



Cyan (29%)


Magenta (44%)


Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 56.198, 307.454 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, 56.198, 307.454 by changing the saturation by 10% instead.


 66, 56.198,
307.454


 66, 56.198,
307.454


 100, 56.198,
307.454


 56, 56.198,
307.454


 86, 56.198,
307.454

 46, 56.198,
307.454

 96, 56.198,
307.454

 36, 56.198,
307.454

 26, 56.198,
307.454

 16, 56.198,
307.454

 6, 56.198, 307.454

 0, 56.198, 307.454

66, 56.198,
307.454

66, 56.198,
307.454

59, 70.577,
308.185

73, 41.952,
306.746

53, 84.739,
308.890

80, 28.027,
306.088

47, 98.055,
309.483

87, 14.508,
305.489

42, 109.555,
309.837

94, 1.424, 304.902

38, 118.033,
309.799

100, 7.185,
112.369

35, 122.684,
309.411

100, 7.173,
109.630

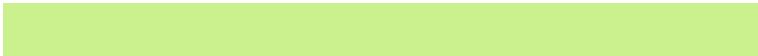
Harmonies

Complementary

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



66, 56.198, 307.454



91, 52.041, 122.784

Rectangle

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



66, 56.198, 307.454



66, 56.198, 357.454



66, 56.198, 127.454



66, 56.198, 177.454

Sweetspot

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



66, 56.196, 307.454



91, 16.453, 305.543



79, 26.787, 248.133



47, 10.936, 305.619



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, 56.196, 307.454



64, 70.775, 308.043



71, 60.472, 323.163



46, 7.379, 305.398



26, 99.891, 309.588



4, 39.145, 308.440

Inverse Universe

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



71, 47.968, 341.416



71, 59.214, 342.306



88, 59.985, 138.607



47, 6.573, 338.556



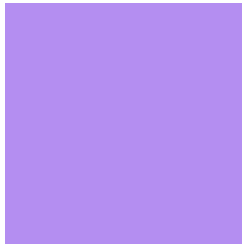
40, 68.801, 351.501



9, 30.905, 347.183

Previews

White Background



This preview shows how the CIELCh color 66, 56.198, 307.454 looks on a white background.

Color Contrast Check

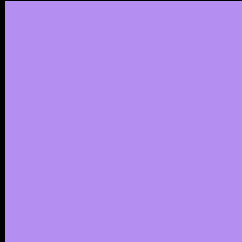
Large Text (above 18pt) WCAG AA × Fail

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, 56.198, 307.454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

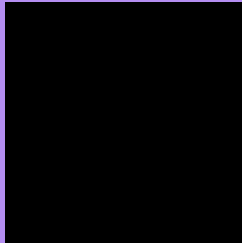
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 56.198, 307.454

Background



This preview shows how black text looks on a background with the CIELCh color 66, 56.198, 307.454.




This preview shows how white text looks on a background with the CIELCh color 66, 56.198, 307.454.

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, 8.170, 318.185

Trichromacy



Original Color
66, 56.198, 307.454



Protanomaly
66, 54.293, 293.462



Deuteranomaly
66, 47.112, 292.373



Tritanomaly
66, 26.191, 309.022

Monochromacy



Original Color
66, 56.198, 307.454



Achromatopsia
67, 0.008, 296.813



Achromatomaly
67, 20.647, 306.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 56.198, 307.454 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, 142, 241)` looks like.

```
.text, #text, p{  
    color:rgb(180, 142, 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(180, 142, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 142, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 56.198, 307.454 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, 142, 241) }
```

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

```
.border{ border-color:rgb(180, 142, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 142, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 142, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 142, 241);  
box-shadow:4px 4px 4px 4px rgb(180, 142,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 56.198, 307.454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 142, 241) }
```

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

```
.background{ background-color: rgb(180,  
142, 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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