

Converting Colors

CIELCh(64, 55.840, 309.067)

Have a look what the booklet for
CIELCh(64, 55.840, 309.067)
contains.

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Color

CIELCh(64, 55.693, 309.044)

Conversions

Conversions Part 1

Format	Color
Hex	B288E9
RGB	178, 136, 233
RGB Percent	70%, 53%, 91%
CMY	0.3033, 0.4679, 0.0877
CMYK	0.24, 0.42, 0.00, 0.09
HSL	266°, 68%, 72%
HSV	266°, 42%, 91%
XYZ	41.6936, 32.8017, 80.9547
YIQ	159.6160, -6.1050, 39.0710

Conversions

Conversions Part 2

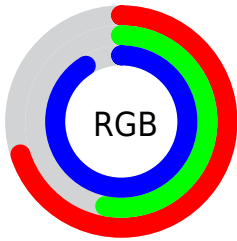
Format	Color
R _Y B	178, 136, 233
Decimal	11700457
CIE Lab	64.00, 35.08, -43.25
CIE LCh	64, 55.693, 309.044
Yxy	32.8017, 0.2682, 0.2110
Android (android.graphics.Color)	4289890537 (0xFFB288E9)
YUV	159.6160, 36.1783, 16.1228
Hunter-Lab	57.2727, 29.7176, -43.7151

Details

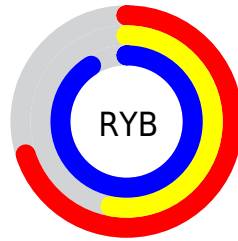
The CIELCh color $64, 55.693, 309.044$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $87, 51.883, 124.643$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 37.723, 316.587$, and $44, 55.967, 309.047$ is the 20% darker color. If you saturate the color by 10%, you get $58, 69.590, 309.680$, and if you desaturate by 10%, it is $71, 41.836, 308.411$.

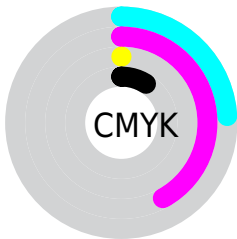
Distribution



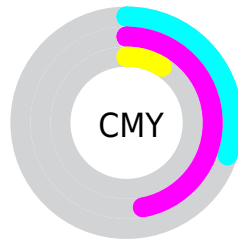
- Red (70%)
- Green (53%)
- Blue (91%)



- Red (70%)
- Yellow (53%)
- Blue (91%)



- Cyan (24%)
- Magenta (42%)
- Yellow (0%)
- Black (9%)




- Cyan (30%)
- Magenta (47%)
- Yellow (9%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 55.693, 309.044 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 64, 55.693, 309.044 by changing the saturation by 10% instead.

 64, 55.693,
309.044

 64, 55.693,
309.044


 100, 55.693,
309.044


 54, 55.693,
309.044


 84, 55.693,
309.044

 44, 55.693,
309.044

 94, 55.693,
309.044

 34, 55.693,
309.044

 24, 55.693,
309.044

 14, 55.693,
309.044

 4, 55.693, 309.044

 0, 55.693, 309.044

64, 55.693,
309.044

64, 55.693,
309.044

58, 69.590,
309.680

71, 41.836,
308.411

51, 83.155,
310.269

77, 28.231,
307.811

46, 95.758,
310.727

84, 14.980,
307.258

41, 106.476,
310.937

91, 2.130, 306.718

37, 114.237,
310.760

98, 10.308,
126.338

35, 118.295,
310.319

99, 11.318,
109.322

Harmonies

Complementary

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



64, 55.693, 309.044



87, 51.883, 124.643

Rectangle

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



64, 55.693, 309.044



64, 55.693, 359.044



64, 55.693, 129.044



64, 55.693, 179.044

Sweetspot

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



64, 55.691, 309.044



90, 17.999, 307.331



75, 27.084, 252.689



47, 12.637, 307.452



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 55.691, 309.044



64, 72.473, 309.591



69, 60.007, 324.190



45, 7.311, 307.141



27, 97.862, 310.496



4, 37.329, 309.374

Inverse Universe

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



68, 45.861, 344.056



70, 58.571, 345.119



85, 59.726, 139.360



46, 6.239, 340.908



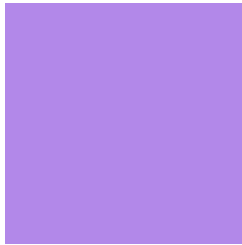
39, 66.706, 355.732



8, 29.364, 350.290

Previews

White Background



This preview shows how the CIELCh color 64, 55.693, 309.044 looks on a white background.

Color Contrast Check

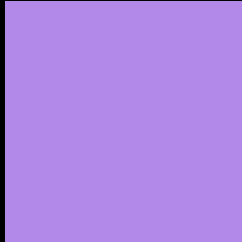
Large Text (above 18pt) WCAG AA × Fail

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 64, 55.693, 309.044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

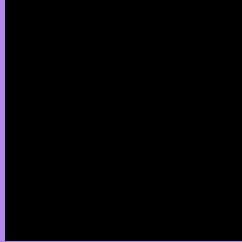
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 55.693, 309.044

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.693, 309.044.




This preview shows how white text looks on a background with the CIELCh color 64, 55.693, 309.044.

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
64, 8.591, 329.076

Trichromacy



Original Color
64, 55.693, 309.044



Protanomaly
64, 53.496, 293.765



Deuteranomaly
64, 46.312, 293.445



Tritanomaly
64, 25.749, 312.855

Monochromacy



Original Color
64, 55.693, 309.044



Achromatopsia
65, 0.008, 296.813



Achromatomaly
65, 20.319, 307.484

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.693, 309.044 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(178, 136, 233)` looks like.

```
.text, #text, p{  
    color:rgb(178, 136, 233)  
}
```

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(178, 136, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 136, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.693, 309.044 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(178, 136, 233) }
```

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

```
.border{ border-color:rgb(178, 136, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 136, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 136, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 136, 233);  
box-shadow:4px 4px 4px 4px rgb(178, 136,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.693, 309.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 136, 233) }
```

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

```
.background{ background-color: rgb(178,  
136, 233) }
```

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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