

Converting Colors

CIELCh(64, 54.060, 311.640)

Have a look what the booklet for
CIELCh(64, 54.060, 311.640)
contains.

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Color

CIELCh(64, 54.060, 311.640)

Conversions

Conversions Part 1

Format	Color
Hex	B787E4
RGB	183, 135, 228
RGB Percent	72%, 53%, 89%
CMY	0.2841, 0.4722, 0.1077
CMYK	0.20, 0.41, 0.00, 0.11
HSL	271°, 63%, 71%
HSV	271°, 41%, 89%
XYZ	41.9701, 32.8017, 77.1894
YIQ	159.9540, -1.2450, 39.0990

Conversions

Conversions Part 2

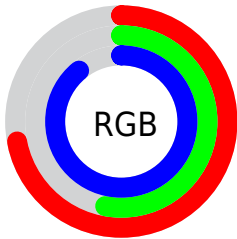
Format	Color
RYB	183, 135, 228
Decimal	12027876
CIELab	64.00, 35.92, -40.40
CIELCh	64, 54.060, 311.640
Yxy	32.8017, 0.2762, 0.2159
Android (android.graphics.Color)	4290217956 (0xFFB787E4)
YUV	159.9540, 33.5467, 20.2113
Hunter-Lab	57.2727, 30.5795, -39.8172

Details

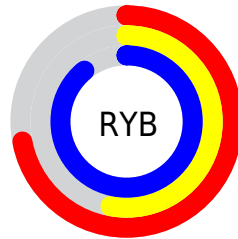
The CIELCh color **64, 54.060, 311.640** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **85, 51.065, 127.715**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 39.020, 319.128**, and **44, 54.091, 311.630** is the 20% darker color. If you saturate the color by 10%, you get **58, 67.595, 312.153**, and if you desaturate by 10%, it is **70, 40.456, 311.109**.

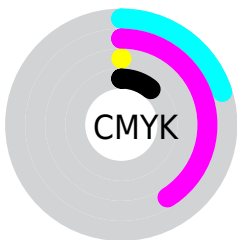
Distribution



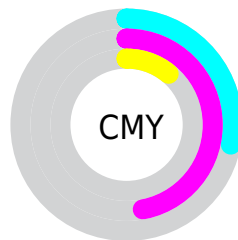
- Red (72%)
- Green (53%)
- Blue (89%)



- Red (72%)
- Yellow (53%)
- Blue (89%)



- Cyan (20%)
- Magenta (41%)
- Yellow (0%)
- Black (11%)





- Cyan (28%)
- Magenta (47%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 54.060, 311.640 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, 54.060, 311.640 by changing the saturation by 10% instead.

 64, 54.060,
311.640


 64, 54.060,
311.640


 100, 54.060,
311.640


 54, 54.060,
311.640


 84, 54.060,
311.640

 44, 54.060,
311.640

 94, 54.060,
311.640

 34, 54.060,
311.640

 24, 54.060,
311.640

 14, 54.060,
311.640

 4, 54.060, 311.640

 0, 54.060, 311.640

64, 54.060,
311.640

64, 54.060,
311.640

58, 67.595,
312.153

70, 40.456,
311.109

52, 80.675,
312.600

77, 27.018,
310.591

47, 92.693,
312.906

83, 13.873,
310.100

42, 102.816,
312.974

90, 1.084, 309.538

39, 110.135,
312.690

96, 11.324,
129.272

37, 114.255,
312.116

99, 14.110,
118.524

99, 13.891,
109.128

Harmonies

Complementary

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



64, 54.060, 311.640



85, 51.065, 127.715

Rectangle

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



64, 54.060, 311.640



64, 54.060, 1.640



64, 54.060, 131.640



64, 54.060, 181.640

Sweetspot

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



64, 54.058, 311.640



91, 16.853, 310.159



72, 28.398, 262.564



48, 11.198, 310.222



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, 54.058, 311.640



66, 71.413, 312.077



69, 58.885, 326.623



45, 7.297, 310.034



28, 95.127, 312.296



4, 35.724, 311.606

Inverse Universe

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



67, 42.118, 348.726



70, 54.968, 349.946



83, 59.019, 141.302



45, 5.791, 345.282



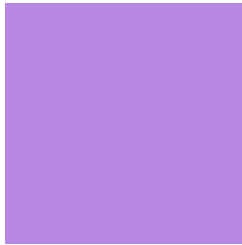
38, 64.717, 3.408



7, 27.461, 356.157

Previews

White Background



This preview shows how the CIELCh color 64, 54.060, 311.640 looks on a white background.

Color Contrast Check

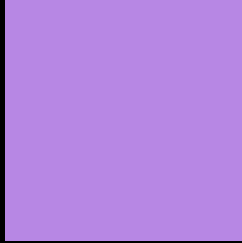
Large Text (above 18pt) WCAG AA × Fail

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, 54.060, 311.640 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

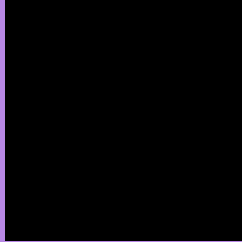
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 54.060, 311.640

Background



This preview shows how black text looks on a background with the CIELCh color 64, 54.060, 311.640.

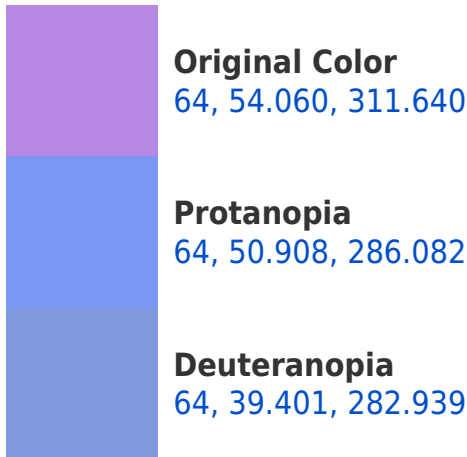


This preview shows how white text looks on a background with the CIELCh color 64, 54.060, 311.640.

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, 10.800, 342.277

Trichromacy



Original Color
64, 54.060, 311.640



Protanomaly
64, 50.744, 294.666



Deuteranomaly
64, 43.560, 295.042



Tritanomaly
64, 25.584, 318.427

Monochromacy



Original Color
64, 54.060, 311.640



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 19.993, 309.911

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 54.060, 311.640 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(183, 135, 228)` looks like.

```
.text, #text, p{  
    color:rgb(183, 135, 228)  
}
```

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(183, 135, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 135, 228) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 54.060, 311.640 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(183, 135, 228) }
```

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

```
.border{ border-color:rgb(183, 135, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 135, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(183, 135, 228); -webkit-box-shadow:4px 4px 4px 4px rgb(183, 135, 228); box-shadow:4px 4px 4px 4px rgb(183, 135, 228) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 54.060, 311.640 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 135, 228) }
```

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

```
.background{ background-color: rgb(183,  
135, 228) }
```

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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