

Converting Colors

CIELCh(64, 54.752, 314.059)

Have a look what the booklet for
CIELCh(64, 54.752, 314.059)
contains.

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Color

CIELCh(64, 54.691, 314.056)

Conversions

Conversions Part 1

Format	Color
Hex	BC85E2
RGB	188, 133, 226
RGB Percent	74%, 52%, 89%
CMY	0.2641, 0.4797, 0.1151
CMYK	0.17, 0.41, 0.00, 0.12
HSL	275°, 61%, 70%
HSV	275°, 41%, 88%
XYZ	42.6717, 32.8017, 75.7741
YIQ	160.0470, 2.9270, 40.5830

Conversions

Conversions Part 2

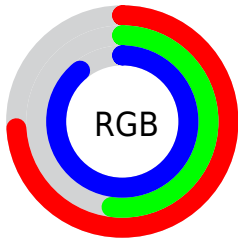
Format	Color
RYB	188, 133, 226
Decimal	12355042
CIELab	64.00, 38.03, -39.30
CIELCh	64, 54.691, 314.056
Yxy	32.8017, 0.2821, 0.2169
Android (android.graphics.Color)	4290545122 (0xFFBC85E2)
YUV	160.0470, 32.5148, 24.5148
Hunter-Lab	57.2727, 32.7662, -38.3521

Details

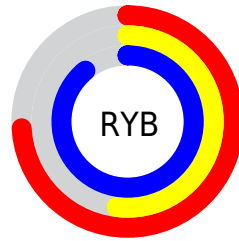
The CIELCh color `64, 54.691, 314.056` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `84, 52.220, 130.267`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 41.005, 321.611`, and `44, 54.564, 314.106` is the 20% darker color. If you saturate the color by 10%, you get `58, 68.015, 314.488`, and if you desaturate by 10%, it is `70, 41.160, 313.589`.

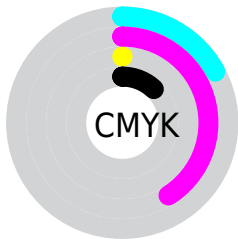
Distribution



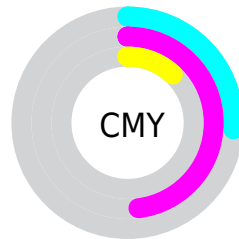
- Red (74%)
- Green (52%)
- Blue (89%)



- Red (74%)
- Yellow (52%)
- Blue (89%)



- Cyan (17%)
- Magenta (41%)
- Yellow (0%)
- Black (12%)





- Cyan (26%)
- Magenta (48%)
- Yellow (12%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 54.691, 314.056 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, 54.691, 314.056 by changing the saturation by 10% instead.

 64, 54.691,
314.056


 64, 54.691,
314.056


 100, 54.691,
314.056


 54, 54.691,
314.056


 84, 54.691,
314.056

 44, 54.691,
314.056

 94, 54.691,
314.056

 34, 54.691,
314.056

 24, 54.691,
314.056

 14, 54.691,
314.056

 4, 54.691, 314.056

 0, 54.691, 314.056

64, 54.691,
314.056

64, 54.691,
314.056

58, 68.015,
314.488

70, 41.160,
313.589

53, 80.711,
314.836

76, 27.698,
313.117

48, 92.158,
315.032

83, 14.462,
312.658

44, 101.571,
314.992

89, 1.540, 312.139

41, 108.174,
314.622

95, 11.025,
131.868

39, 111.687,
314.031

98, 15.538,
125.292

99, 14.901,
112.985

99, 14.855,
109.055

Harmonies

Complementary

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



64, 54.691, 314.056



84, 52.220, 130.267

Rectangle

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



64, 54.691, 314.056



64, 54.691, 4.056



64, 54.691, 134.056



64, 54.691, 184.056

Sweetspot

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



64, 54.689, 314.056



92, 17.127, 312.698



69, 31.462, 271.150



48, 11.379, 312.758



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, 54.689, 314.056



67, 71.906, 314.412



68, 55.760, 329.140



44, 7.282, 312.579



30, 92.611, 314.212



4, 34.123, 313.759

Inverse Universe

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



66, 40.625, 353.531



70, 53.115, 354.870



82, 55.876, 143.505



44, 5.419, 349.688



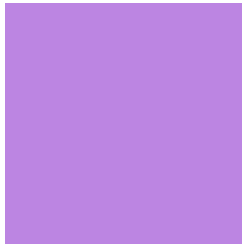
37, 64.096, 10.627



6, 25.734, 1.172

Previews

White Background



This preview shows how the CIELCh color 64, 54.691, 314.056 looks on a white background.

Color Contrast Check

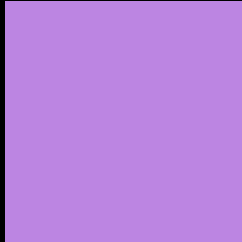
Large Text (above 18pt) WCAG AA × Fail

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, 54.691, 314.056 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

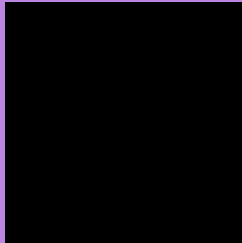
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 54.691, 314.056

Background



This preview shows how black text looks on a background with the CIELCh color 64, 54.691, 314.056.



This preview shows how white text looks on a background with the CIELCh color 64, 54.691, 314.056.

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, 13.411, 350.974

Trichromacy



Original Color
64, 54.691, 314.056



Protanomaly
64, 50.800, 295.661



Deuteranomaly
64, 43.089, 296.646



Tritanomaly
64, 26.991, 324.266

Monochromacy



Original Color
64, 54.691, 314.056



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 20.369, 312.876

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 54.691, 314.056 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(188, 133, 226)` looks like.

```
.text, #text, p{  
    color:rgb(188, 133, 226)  
}
```

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(188, 133, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 133, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 54.691, 314.056 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(188, 133, 226) }
```

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

```
.border{ border-color:rgb(188, 133, 226) }
```

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

Here you see how a box with a 4 pixel rgb(188, 133, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 133, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 133, 226);  
box-shadow:4px 4px 4px 4px rgb(188, 133,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 54.691, 314.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 133, 226) }
```

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

```
.background{ background-color: rgb(188,  
133, 226) }
```

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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