

Converting Colors

CIELCh(64, 56.239, 312.515)

Have a look what the booklet for
CIELCh(64, 56.239, 312.515)
contains.

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Color

CIELCh(64, 55.972, 312.512)

Conversions

Conversions Part 1

Format	Color
Hex	B985E5
RGB	185, 133, 229
RGB Percent	73%, 52%, 90%
CMY	0.2740, 0.4780, 0.1015
CMYK	0.19, 0.42, 0.00, 0.10
HSL	273°, 65%, 71%
HSV	273°, 42%, 90%
XYZ	42.6025, 32.8017, 78.3090
YIQ	159.4920, 0.1760, 40.8800

Conversions

Conversions Part 2

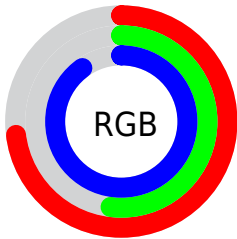
Format	Color
R_{YB}	185, 133, 229
Decimal	12158437
CIE _{Lab}	64.00, 37.82, -41.26
CIE _{LCh}	64, 55.972, 312.512
Yxy	32.8017, 0.2772, 0.2134
Android (android.graphics.Color)	4290348517 (0xFFB985E5)
YUV	159.4920, 34.2674, 22.3705
Hunter-Lab	57.2727, 32.5504, -40.9762

Details

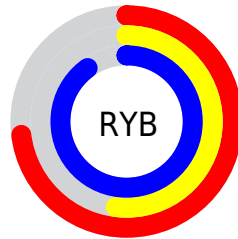
The CIELCh color $64, 55.972, 312.512$ is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be $86, 52.992, 128.559$, and the grayscale version is $66, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 40.563, 320.274$, and $44, 56.001, 312.542$ is the 20% darker color. If you saturate the color by 10%, you get $58, 69.513, 312.990$, and if you desaturate by 10%, it is $70, 42.283, 312.006$.

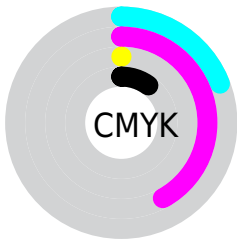
Distribution



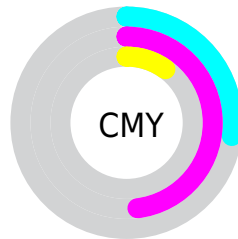
- Red (73%)
- Green (52%)
- Blue (90%)



- Red (73%)
- Yellow (52%)
- Blue (90%)



- Cyan (19%)
- Magenta (42%)
- Yellow (0%)
- Black (10%)





- Cyan (27%)
- Magenta (48%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 55.972, 312.512 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, 55.972, 312.512 by changing the saturation by 10% instead.


 64, 55.972,
312.512


 64, 55.972,
312.512


 100, 55.972,
312.512


 54, 55.972,
312.512


 84, 55.972,
312.512

 44, 55.972,
312.512

 94, 55.972,
312.512

 34, 55.972,
312.512

 24, 55.972,
312.512

 14, 55.972,
312.512

 4, 55.972, 312.512

 0, 55.972, 312.512

64, 55.972,
312.512

64, 55.972,
312.512

58, 69.513,
312.990

70, 42.283,
312.006

52, 82.488,
313.388

77, 28.712,
311.504

47, 94.255,
313.634

83, 15.403,
311.024

43, 103.976,
313.630

90, 2.434, 310.532

40, 110.792,
313.271

96, 10.160,
130.204

38, 114.216,
312.731

99, 13.357,
119.878

99, 13.092,
109.188

Harmonies

Complementary

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



64, 55.972, 312.512



86, 52.992, 128.559

Rectangle

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



64, 55.972, 312.512



64, 55.972, 2.512



64, 55.972, 132.512



64, 55.972, 182.512

Sweetspot

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



64, 55.970, 312.512



91, 18.379, 311.079



71, 30.439, 266.418



47, 12.898, 311.184



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, 55.970, 312.512



65, 73.037, 312.917



69, 59.314, 327.638



45, 7.336, 310.910



29, 94.604, 312.915



4, 35.881, 312.521

Inverse Universe

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



67, 42.838, 350.452



70, 55.319, 351.745



83, 59.477, 142.058



45, 5.695, 346.736



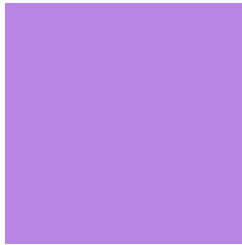
38, 64.604, 5.874



7, 27.252, 358.110

Previews

White Background



This preview shows how the CIELCh color 64, 55.972, 312.512 looks on a white background.

Color Contrast Check

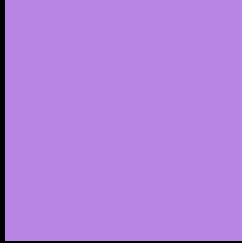
Large Text (above 18pt) WCAG AA × Fail

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, 55.972, 312.512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

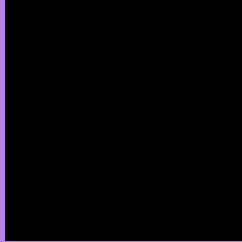
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 55.972, 312.512

Background



This preview shows how black text looks on a background with the CIELCh color 64, 55.972, 312.512.

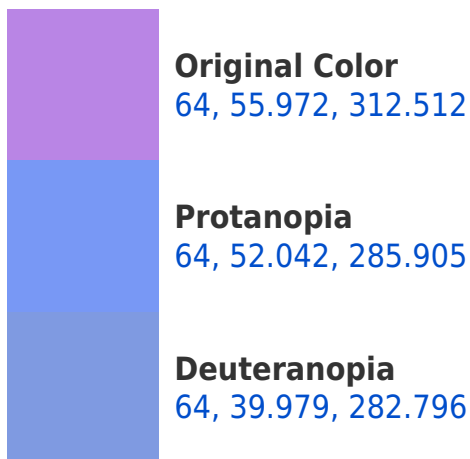


This preview shows how white text looks on a background with the CIELCh color 64, 55.972, 312.512.

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, 12.068, 347.058

Trichromacy



Original Color
64, 55.972, 312.512



Protanomaly
64, 52.440, 295.172



Deuteranomaly
64, 45.264, 295.576



Tritanomaly
64, 26.730, 320.817

Monochromacy



Original Color
64, 55.972, 312.512



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 20.765, 311.385

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 55.972, 312.512 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(185, 133, 229)` looks like.

```
.text, #text, p{  
    color:rgb(185, 133, 229)  
}
```

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(185, 133, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 133, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 55.972, 312.512 is called "border". The border property can be set on classes, ids or directly on the HTML element.

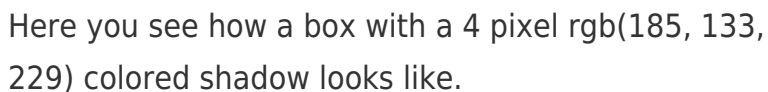
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(185, 133, 229) }
```

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

```
.border{ border-color:rgb(185, 133, 229) }
```

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



Here you see how a box with a 4 pixel `rgb(185, 133, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 133, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 133, 229); box-shadow:4px 4px 4px 4px rgb(185, 133, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 55.972, 312.512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 133, 229) }
```

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

```
.background{ background-color: rgb(185,  
133, 229) }
```

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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