

Converting Colors

CIELCh(64, 56.932, 319.625)

Have a look what the booklet for
CIELCh(64, 56.932, 319.625)
contains.

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Color

CIELCh(64, 56.529, 319.844)

Conversions

Conversions Part 1

Format	Color
Hex	C880DD
RGB	200, 128, 221
RGB Percent	78%, 50%, 87%
CMY	0.2169, 0.4992, 0.1346
CMYK	0.10, 0.42, 0.00, 0.13
HSL	286°, 58%, 68%
HSV	286°, 42%, 87%
XYZ	44.4254, 32.8017, 72.1767
YIQ	160.1300, 13.0590, 44.1870

Conversions

Conversions Part 2

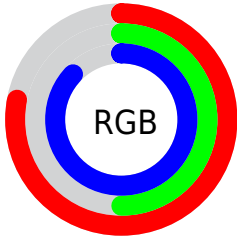
Format	Color
R_{YB}	200, 128, 221
Decimal	13140189
CIE _{Lab}	64.00, 43.20, -36.45
CIE _{LCh}	64, 56.529, 319.844
Yxy	32.8017, 0.2974, 0.2196
Android (android.graphics.Color)	4291330269 (0xFFC880DD)
YUV	160.1300, 30.0089, 34.9660
Hunter-Lab	57.2727, 38.2320, -34.6280

Details

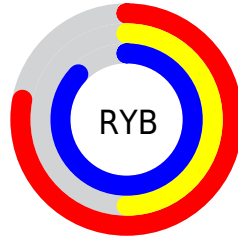
The CIELCh color `64, 56.529, 319.844` is a light color, and the websafe version is hex `CC99FF`. A complement of this color would be `82, 55.351, 135.728`, and the grayscale version is `66, 0.008, 296.813`.

A 20% lighter version of the original color is `83, 45.730, 326.007`, and `44, 56.975, 319.648` is the 20% darker color. If you saturate the color by 10%, you get `59, 69.319, 320.194`, and if you desaturate by 10%, it is `69, 43.173, 319.435`.

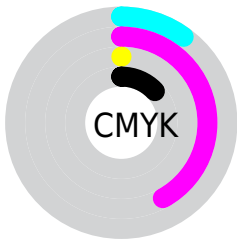
Distribution



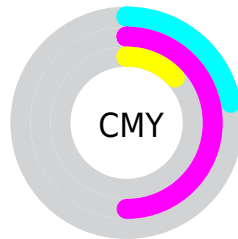
- Red (78%)
- Green (50%)
- Blue (87%)



- Red (78%)
- Yellow (50%)
- Blue (87%)



- Cyan (10%)
- Magenta (42%)
- Yellow (0%)
- Black (13%)




- Cyan (22%)
- Magenta (50%)
- Yellow (13%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 56.529, 319.844 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, 56.529, 319.844 by changing the saturation by 10% instead.


 64, 56.529,
319.844

 64, 56.529,
319.844


 100, 56.529,
319.844


 54, 56.529,
319.844


 84, 56.529,
319.844

 44, 56.529,
319.844

 94, 56.529,
319.844

 34, 56.529,
319.844

 24, 56.529,
319.844

 14, 56.529,
319.844

 4, 56.529, 319.844

 0, 56.529, 319.844

64, 56.529,
319.844

64, 56.529,
319.844

59, 69.319,
320.194

69, 43.173,
319.435

54, 81.052,
320.446

75, 29.621,
318.996

51, 91.112,
320.553

81, 16.114,
318.546

47, 98.859,
320.462

87, 2.808, 318.047

45, 103.829,
320.130


93, 10.205,
137.728

44, 106.049,
319.718

97, 19.766,
136.397

98, 18.973,
131.747

98, 18.317,
126.670

 98, 17.816,
121.207

Harmonies

Complementary

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



64, 56.529, 319.844



82, 55.351, 135.728

Rectangle

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



64, 56.529, 319.844



64, 56.529, 9.844



64, 56.529, 139.844



64, 56.529, 189.844

Sweetspot

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



64, 56.527, 319.844



91, 19.434, 318.591



63, 40.123, 285.110



47, 13.624, 318.691



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, 56.527, 319.844



68, 76.324, 320.172



65, 49.407, 336.017



43, 7.485, 318.424



34, 88.531, 319.843



5, 33.366, 320.148

Inverse Universe

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



64, 38.536, 6.668



68, 52.820, 8.589



81, 49.051, 149.287



43, 4.841, 2.128



36, 68.301, 27.162



5, 23.767, 10.507

Previews

White Background



This preview shows how the CIELCh color 64, 56.529, 319.844 looks on a white background.

Color Contrast Check

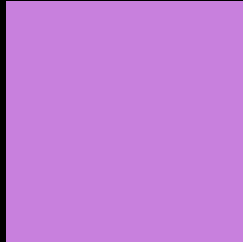
Large Text (above 18pt) WCAG AA × Fail

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, 56.529, 319.844 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, 56.529, 319.844

Background



This preview shows how black text looks on a background with the CIELCh color 64, 56.529, 319.844.

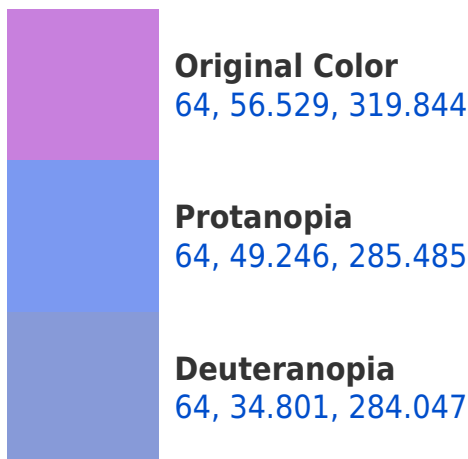


This preview shows how white text looks on a background with the CIELCh color 64, 56.529, 319.844.

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, 19.901, 3.731

Trichromacy



Original Color
64, 56.529, 319.844



Protanomaly
64, 50.342, 297.640



Deuteranomaly
64, 41.756, 300.988



Tritanomaly
64, 31.018, 335.574

Monochromacy



Original Color
64, 56.529, 319.844



Achromatopsia
66, 0.008, 296.813



Achromatomaly
65, 21.275, 318.540

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 56.529, 319.844 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(200, 128, 221)` looks like.

```
.text, #text, p{  
    color:rgb(200, 128, 221)  
}
```

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(200, 128, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 128, 221) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 56.529, 319.844 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(200, 128, 221) }
```

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

```
.border{ border-color:rgb(200, 128, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 128, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 128, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 128, 221);  
box-shadow:4px 4px 4px 4px rgb(200, 128,  
221) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 56.529, 319.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 128, 221) }
```

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

```
.background{ background-color: rgb(200,  
128, 221) }
```

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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