

Converting Colors

CIELCh(56, 82.217, 321.828)

Have a look what the booklet for
CIELCh(56, 82.217, 321.828)
contains.

CIELCh(56, 82.212, 321.882)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(56, 82.212, 321.882)

Conversions

Conversions Part 1

Format	Color
Hex	C755E0
RGB	199, 85, 224
RGB Percent	78%, 33%, 88%
CMY	0.2208, 0.6679, 0.1228
CMYK	0.11, 0.62, 0.00, 0.12
HSL	289°, 69%, 60%
HSV	289°, 62%, 88%
XYZ	40.1058, 23.9124, 72.8007
YIQ	134.9320, 23.3250, 67.3970

Conversions

Conversions Part 2

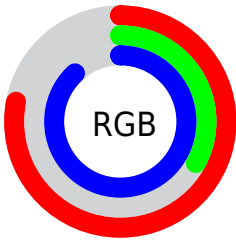
Format	Color
R_{YB}	199, 85, 224
Decimal	13063648
CIE _{Lab}	56.00, 64.68, -50.75
CIE _{LCh}	56, 82.212, 321.882
Yxy	23.9124, 0.2931, 0.1748
Android (android.graphics.Color)	4291253728 (0xFFC755E0)
YUV	134.9320, 43.9105, 56.1876
Hunter-Lab	48.9003, 60.8218, -54.0381

Details

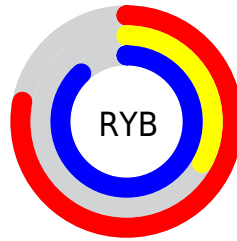
The CIELCh color **56, 82.212, 321.882** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted magenta. A complement of this color would be **80, 80.971, 135.548**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **75, 70.214, 326.821**, and **36, 82.139, 321.977** is the 20% darker color. If you saturate the color by 10%, you get **52, 92.122, 322.006**, and if you desaturate by 10%, it is **60, 70.510, 321.622**.

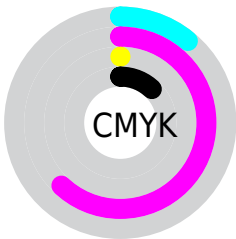
Distribution



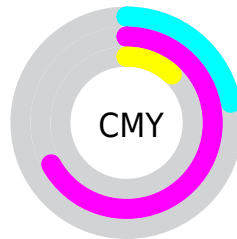
- Red (78%)
- Green (33%)
- Blue (88%)



- Red (78%)
- Yellow (33%)
- Blue (88%)



- Cyan (11%)
- Magenta (62%)
- Yellow (0%)
- Black (12%)





- Cyan (22%)
- Magenta (67%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 82.212, 321.882 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 56, 82.212, 321.882 by changing the saturation by 10% instead.


 56, 82.212,
321.882


 56, 82.212,
321.882


 100, 82.212,
321.882


 46, 82.212,
321.882


 76, 82.212,
321.882

 36, 82.212,
321.882

 86, 82.212,
321.882

 26, 82.212,
321.882

 96, 82.212,
321.882

 16, 82.212,
321.882

 6, 82.212, 321.882

 0, 82.212, 321.882

56, 82.212,
321.882

56, 82.212,
321.882

52, 92.122,
322.006

60, 70.510,
321.622

49, 99.640,
321.950

65, 57.636,
321.267

47, 104.362,
321.680

71, 44.105,
320.852

46, 106.399,
321.337

76, 30.306,
320.404

82, 16.507,
319.942

88, 2.885, 319.425

94, 10.454,
139.092

98, 18.190,
137.364

■ 98, 17.527,
133.347

Harmonies

Complementary

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



56, 82.212, 321.882



80, 80.971, 135.548

Rectangle

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



56, 82.212, 321.882



56, 82.212, 11.882



56, 82.212, 141.882



56, 82.212, 191.882

Sweetspot

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



56, 82.210, 321.882



88, 28.883, 320.266



50, 66.030, 292.790



45, 19.909, 320.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



56, 82.210, 321.882



58, 104.866, 322.009



58, 67.851, 340.287



44, 7.726, 319.816



36, 88.896, 321.439



6, 35.500, 322.094

Inverse Universe

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



55, 57.987, 14.970



58, 76.748, 19.730



80, 68.018, 148.411



44, 4.854, 5.604



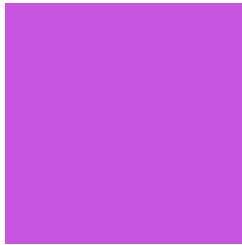
37, 71.157, 30.717



6, 25.283, 13.328

Previews

White Background



This preview shows how the CIELCh color 56, 82.212, 321.882 looks on a white background.

Color Contrast Check

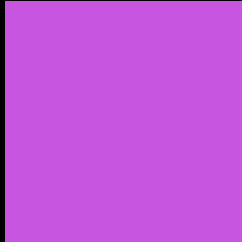
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 56, 82.212, 321.882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

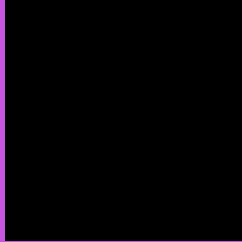
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 56, 82.212, 321.882

Background



This preview shows how black text looks on a background with the CIELCh color 56, 82.212, 321.882.

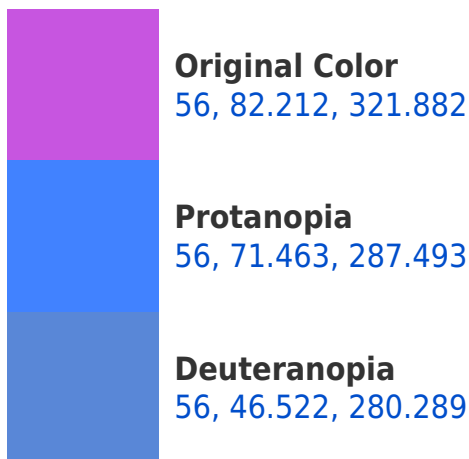


This preview shows how white text looks on a background with the CIELCh color 56, 82.212, 321.882.

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
56, 29.966, 13.431

Trichromacy



Original Color
56, 82.212, 321.882



Protanomaly
54, 74.385, 298.255



Deuteranomaly
55, 58.171, 299.988



Tritanomaly
55, 44.961, 339.889

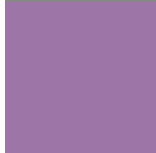
Monochromacy



Original Color
56, 82.212, 321.882



Achromatopsia
56, 0.007, 296.813



Achromatomaly
55, 32.389, 320.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 82.212, 321.882 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(199, 85, 224)` looks like.

```
.text, #text, p{  
    color:rgb(199, 85, 224)  
}
```

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(199, 85, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 85, 224) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 82.212, 321.882 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(199, 85, 224) }
```

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

```
.border{ border-color:rgb(199, 85, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 85, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 85, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 85, 224);  
box-shadow:4px 4px 4px 4px rgb(199, 85,  
224) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 82.212, 321.882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 85, 224) }
```

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

```
.background{ background-color: rgb(199, 85,  
224) }
```

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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