

Converting Colors

CIELCh(56, 62.428, 321.987)

Have a look what the booklet for
CIELCh(56, 62.428, 321.987)
contains.

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Color

CIELCh(56, 62.582, 321.900)

Conversions

Conversions Part 1

Format	Color
Hex	B965CA
RGB	185, 101, 202
RGB Percent	73%, 40%, 79%
CMY	0.2742, 0.6036, 0.2075
CMYK	0.08, 0.50, 0.00, 0.21
HSL	290°, 49%, 59%
HSV	290°, 50%, 79%
XYZ	35.3559, 23.9124, 58.6758
YIQ	137.6300, 17.6430, 49.2190

Conversions

Conversions Part 2

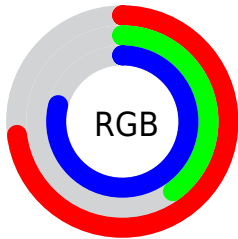
Format	Color
RYB	185, 101, 202
Decimal	12150218
CIELab	56.00, 49.25, -38.62
CIELCh	56, 62.582, 321.900
Yxy	23.9124, 0.2998, 0.2027
Android (android.graphics.Color)	4290340298 (0xFFB965CA)
YUV	137.6300, 31.7344, 41.5435
Hunter-Lab	48.9003, 43.4833, -36.9122

Details

The CIELCh color **56, 62.582, 321.900** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **74, 61.676, 136.697**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **76, 60.483, 322.988**, and **36, 62.211, 322.130** is the 20% darker color. If you saturate the color by 10%, you get **52, 73.644, 322.189**, and if you desaturate by 10%, it is **61, 50.546, 321.527**.

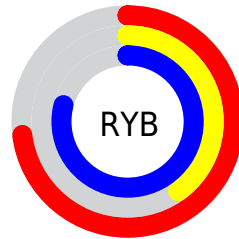
Distribution



Red (73%)

Green (40%)

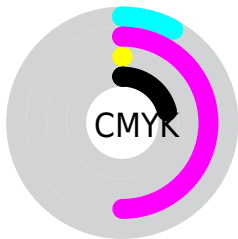
Blue (79%)



Red (73%)

Yellow (40%)

Blue (79%)

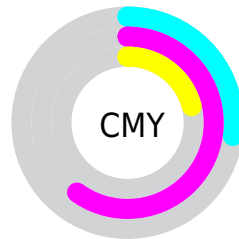


Cyan (8%)

Magenta (50%)

Yellow (0%)

Black (21%)



Cyan (27%)


Magenta (60%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 62.582, 321.900 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, 62.582, 321.900 by changing the saturation by 10% instead.


 56, 62.582,
321.900


 56, 62.582,
321.900


 100, 62.582,
321.900


 46, 62.582,
321.900


 76, 62.582,
321.900

 36, 62.582,
321.900

 86, 62.582,
321.900

 26, 62.582,
321.900

 96, 62.582,
321.900

 16, 62.582,
321.900

 6, 62.582, 321.900

 0, 62.582, 321.900

56, 62.582,
321.900

56, 62.582,
321.900

52, 73.644,
322.189

61, 50.546,
321.527

48, 83.198,
322.356

65, 37.988,
321.102

46, 90.681,
322.362

71, 25.237,
320.649

43, 95.673,
322.170

76, 12.521,
320.184

42, 98.413,
321.796


81, 0.014, 156.069

42, 98.417,
321.796

87, 12.275,
139.335

92, 24.217,
138.915

96, 31.177,
137.975

 96, 30.566,
136.089

Harmonies

Complementary

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



56, 62.582, 321.900



74, 61.676, 136.697

Rectangle

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



56, 62.582, 321.900



56, 62.582, 11.900



56, 62.582, 141.900



56, 62.582, 191.900

Sweetspot

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



56, 62.580, 321.900



90, 22.814, 320.428



52, 47.831, 289.621



47, 15.587, 320.527



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, 62.580, 321.900



65, 88.782, 322.208



57, 52.135, 338.961



40, 7.166, 320.156



34, 84.917, 321.881



4, 27.305, 320.770

Inverse Universe

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



55, 42.768, 12.588



64, 62.396, 15.358



74, 51.606, 150.214



40, 4.470, 6.485



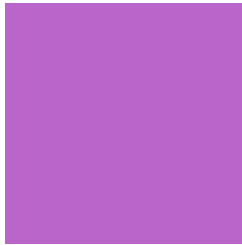
34, 68.438, 31.269



4, 18.132, 11.174

Previews

White Background



This preview shows how the CIELCh color 56, 62.582, 321.900 looks on a white background.

Color Contrast Check

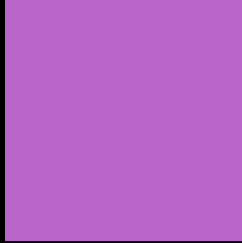
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.582, 321.900 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, 62.582, 321.900

Background



This preview shows how black text looks on a background with the CIELCh color 56, 62.582, 321.900.

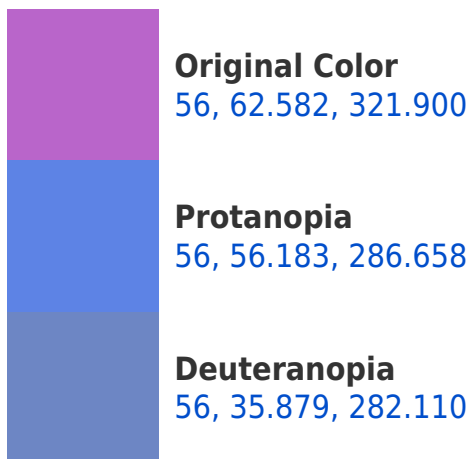



This preview shows how white text looks on a background with the CIELCh color 56, 62.582, 321.900.

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, 23.574, 9.806

Trichromacy



Original Color
56, 62.582, 321.900



Protanomaly
55, 56.824, 298.191



Deuteranomaly
55, 43.994, 301.275



Tritanomaly
56, 35.020, 339.715

Monochromacy



Original Color
56, 62.582, 321.900



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 23.502, 320.791

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 62.582, 321.900 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, 101, 202)` looks like.

```
.text, #text, p{  
    color:rgb(185, 101, 202)  
}
```

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, 101, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 101, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 62.582, 321.900 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, 101, 202) }
```

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

```
.border{ border-color:rgb(185, 101, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 101, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 101, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 101, 202);  
box-shadow:4px 4px 4px 4px rgb(185, 101,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 62.582, 321.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 101, 202) }
```

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

```
.background{ background-color: rgb(185,  
101, 202) }
```

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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