

Converting Colors

CIELCh(50, 67.293, 318.103)

Have a look what the booklet for
CIELCh(50, 67.293, 318.103)
contains.

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Color

CIELCh(50, 66.913, 317.997)

Conversions

Conversions Part 1

Format	Color
Hex	A356C4
RGB	163, 86, 196
RGB Percent	64%, 34%, 77%
CMY	0.3609, 0.6628, 0.2315
CMYK	0.17, 0.56, 0.00, 0.23
HSL	282°, 48%, 55%
HSV	282°, 56%, 77%
XYZ	28.3840, 18.4187, 54.2659
YIQ	121.5630, 10.5820, 50.5340

Conversions

Conversions Part 2

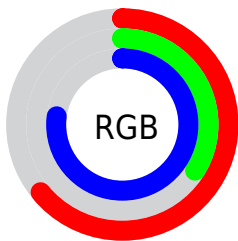
Format	Color
R _{YB}	163, 86, 196
Decimal	10704580
CIE _{Lab}	50.00, 49.72, -44.78
CIE _{LCh}	50, 66.913, 317.997
Yxy	18.4187, 0.2808, 0.1822
Android (android.graphics.Color)	4288894660 (0xFFA356C4)
YUV	121.5630, 36.6974, 36.3402
Hunter-Lab	42.9170, 42.9497, -44.9267

Details

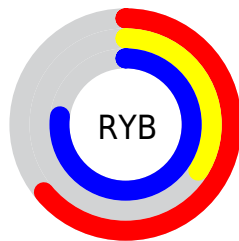
The CIELCh color **50, 66.913, 317.997** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **72, 64.346, 132.889**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 66.752, 317.984**, and **30, 67.244, 317.894** is the 20% darker color. If you saturate the color by 10%, you get **46, 77.383, 318.211**, and if you desaturate by 10%, it is **55, 55.444, 317.668**.

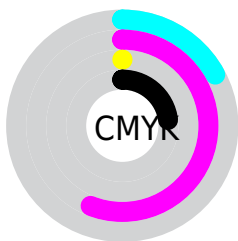
Distribution



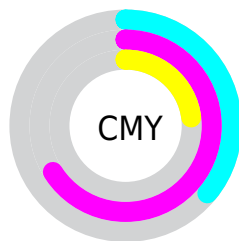
- Red (64%)
- Green (34%)
- Blue (77%)



- Red (64%)
- Yellow (34%)
- Blue (77%)



- Cyan (17%)
- Magenta (56%)
- Yellow (0%)
- Black (23%)





- Cyan (36%)
- Magenta (66%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 66.913, 317.997 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 50, 66.913, 317.997 by changing the saturation by 10% instead.


 50, 66.913,
317.997


 50, 66.913,
317.997


 100, 66.913,
317.997


 40, 66.913,
317.997


 70, 66.913,
317.997

 30, 66.913,
317.997


 80, 66.913,
317.997


 20, 66.913,
317.997

 90, 66.913,
317.997

 10, 66.913,
317.997

 0, 66.913, 317.997

 50, 66.913,
317.997

 50, 66.913,
317.997

46, 77.383,
318.211

55, 55.444,
317.668

42, 86.264,
318.249

60, 43.455,
317.271

39, 92.942,
318.046

65, 31.283,
316.841

37, 97.025,
317.551

70, 19.153,
316.403

37, 98.243,
317.325

76, 7.205, 315.962

81, 4.481, 135.620

87, 15.861,
135.212

92, 26.918,
134.858

96, 33.295,
133.482

Harmonies

Complementary

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



50, 66.913, 317.997



72, 64.346, 132.889

Rectangle

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



50, 66.913, 317.997



50, 66.913, 7.997



50, 66.913, 137.997



50, 66.913, 187.997

Sweetspot

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



50, 66.911, 317.997



88, 25.026, 316.453



51, 44.178, 283.084



46, 16.770, 316.542



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



50, 66.911, 317.997



58, 96.601, 318.233



54, 61.400, 333.616



38, 6.627, 316.106



30, 84.716, 317.463



3, 21.210, 313.144

Inverse Universe

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



52, 47.300, 3.981



61, 68.568, 7.217



71, 61.924, 144.756



38, 4.518, 356.782



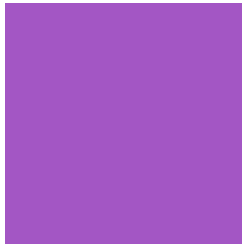
33, 61.857, 20.445



3, 14.614, 3.478

Previews

White Background



This preview shows how the CIELCh color 50, 66.913, 317.997 looks on a white background.

Color Contrast Check

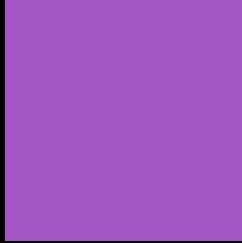
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 50, 66.913, 317.997 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

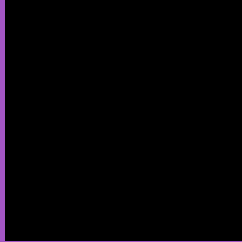
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 66.913, 317.997

Background



This preview shows how black text looks on a background with the CIELCh color 50, 66.913, 317.997.

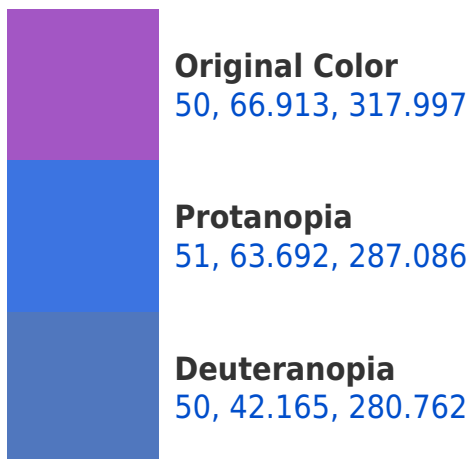



This preview shows how white text looks on a background with the CIELCh color 50, 66.913, 317.997.

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
50, 18.955, 7.741

Trichromacy



Original Color
50, 66.913, 317.997

Protanomaly
49, 63.675, 295.964

Deuteranomaly
49, 49.869, 297.264

Tritanomaly
49, 33.563, 332.686

Monochromacy



Original Color
50, 66.913, 317.997

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 25.710, 316.849

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 66.913, 317.997 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(163, 86, 196)` looks like.

```
.text, #text, p{  
    color:rgb(163, 86, 196)  
}
```

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(163, 86, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 86, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 66.913, 317.997 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(163, 86, 196) }
```

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

```
.border{ border-color:rgb(163, 86, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 86, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 86, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 86, 196);  
box-shadow:4px 4px 4px 4px rgb(163, 86,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 66.913, 317.997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 86, 196) }
```

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

```
.background{ background-color: rgb(163, 86,  
196) }
```

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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