

Converting Colors

CIELCh(50, 52.974, 319.659)

Have a look what the booklet for
CIELCh(50, 52.974, 319.659)
contains.

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Color

CIELCh(50, 52.910, 319.627)

Conversions

Conversions Part 1

Format	Color
Hex	9E5EB2
RGB	158, 94, 178
RGB Percent	62%, 37%, 70%
CMY	0.3813, 0.6322, 0.3029
CMYK	0.11, 0.47, 0.00, 0.30
HSL	286°, 35%, 53%
HSV	286°, 47%, 70%
XYZ	26.0522, 18.4187, 44.1812
YIQ	122.7120, 11.1800, 39.6920

Conversions

Conversions Part 2

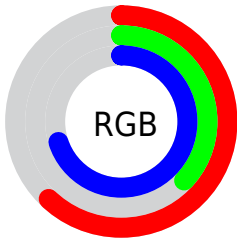
Format	Color
R _Y B	158, 94, 178
Decimal	10378930
CIE _{Lab}	50.00, 40.31, -34.27
CIE _{LCh}	50, 52.910, 319.627
Yxy	18.4187, 0.2939, 0.2078
Android (android.graphics.Color)	4288569010 (0xFF9E5EB2)
YUV	122.7120, 27.2570, 30.9476
Hunter-Lab	42.9170, 33.2514, -30.9947

Details

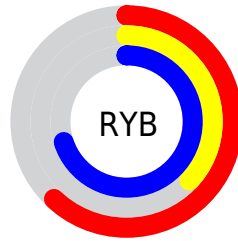
The CIELCh color **50, 52.910, 319.627** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **67, 51.636, 135.110**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 52.977, 319.626**, and **30, 53.120, 319.789** is the 20% darker color. If you saturate the color by 10%, you get **46, 63.331, 319.935**, and if you desaturate by 10%, it is **54, 41.874, 319.246**.

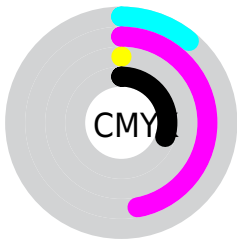
Distribution



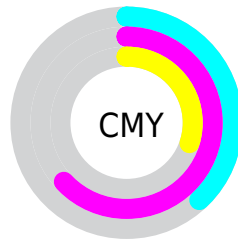
- Red (62%)
- Green (37%)
- Blue (70%)



- Red (62%)
- Yellow (37%)
- Blue (70%)



- Cyan (11%)
- Magenta (47%)
- Yellow (0%)
- Black (30%)





- Cyan (38%)
- Magenta (63%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 50, 52.910, 319.627 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, 52.910, 319.627 by changing the saturation by 10% instead.


 50, 52.910,
319.627


 50, 52.910,
319.627


 100, 52.910,
319.627


 40, 52.910,
319.627


 70, 52.910,
319.627

 30, 52.910,
319.627

 80, 52.910,
319.627


 20, 52.910,
319.627

 90, 52.910,
319.627

 10, 52.910,
319.627

 0, 52.910, 319.627

 50, 52.910,
319.627

 50, 52.910,
319.627

46, 63.331,
319.935

54, 41.874,
319.246

42, 72.690,
320.128

59, 30.568,
318.825

39, 80.460,
320.156

64, 19.226,
318.387

37, 86.140,
319.968

69, 8.004, 317.941

74, 3.004, 137.606

35, 89.559,
319.540

79, 13.745,
137.163

35, 90.361,
319.412

84, 24.193,
136.786

89, 34.338,
136.441

94, 44.181,
136.126

Harmonies

Complementary

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



50, 52.910, 319.627



67, 51.636, 135.110

Rectangle

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



50, 52.910, 319.627



50, 52.910, 9.627



50, 52.910, 139.627



50, 52.910, 189.627

Sweetspot

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



50, 52.908, 319.627



83, 19.341, 318.254



49, 37.170, 285.109



43, 13.484, 318.349



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



50, 52.908, 319.627



59, 78.214, 319.954



52, 46.667, 335.669



35, 6.293, 318.036



30, 80.861, 319.506



2, 14.737, 314.777

Inverse Universe

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



50, 36.454, 6.612



60, 54.709, 9.057



66, 46.487, 148.157



35, 4.103, 1.195



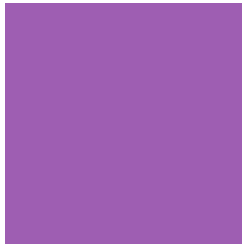
32, 61.546, 25.544



2, 9.509, 4.483

Previews

White Background



This preview shows how the CIELCh color 50, 52.910, 319.627 looks on a white background.

Color Contrast Check

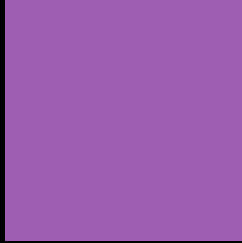
Large Text (above 18pt) WCAG AA ✓ Pass

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 50, 52.910, 319.627 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

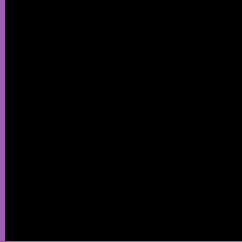
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 50, 52.910, 319.627

Background



This preview shows how black text looks on a background with the CIELCh color 50, 52.910, 319.627.

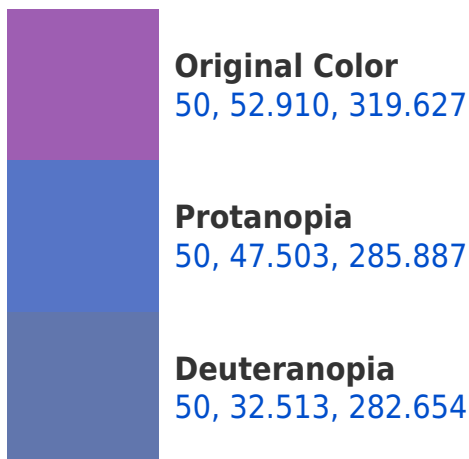


This preview shows how white text looks on a background with the CIELCh color 50, 52.910, 319.627.

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, 17.689, 6.510

Trichromacy



Original Color
50, 52.910, 319.627



Protanomaly
50, 48.021, 297.066



Deuteranomaly
49, 38.944, 299.718



Tritanomaly
50, 27.783, 335.961

Monochromacy



Original Color
50, 52.910, 319.627



Achromatopsia
51, 0.007, 296.813



Achromatomaly
50, 19.686, 318.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 52.910, 319.627 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(158, 94, 178)` looks like.

```
.text, #text, p{  
    color:rgb(158, 94, 178)  
}
```

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(158, 94, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 94, 178) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 52.910, 319.627 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(158, 94, 178) }
```

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

```
.border{ border-color:rgb(158, 94, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 94, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 94, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 94, 178);  
box-shadow:4px 4px 4px 4px rgb(158, 94,  
178) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 52.910, 319.627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 94, 178) }
```

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

```
.background{ background-color: rgb(158, 94,  
178) }
```

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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