

Converting Colors

CIELCh(57, 52.522, 320.097)

Have a look what the booklet for
CIELCh(57, 52.522, 320.097)
contains.

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Color

CIELCh(57, 52.314, 320.219)

Conversions

Conversions Part 1

Format	Color
Hex	B270C4
RGB	178, 112, 196
RGB Percent	70%, 44%, 77%
CMY	0.3032, 0.5619, 0.2326
CMYK	0.09, 0.43, 0.00, 0.23
HSL	287°, 41%, 60%
HSV	287°, 43%, 77%
XYZ	33.9776, 24.9227, 55.0563
YIQ	141.3100, 12.3720, 40.1160

Conversions

Conversions Part 2

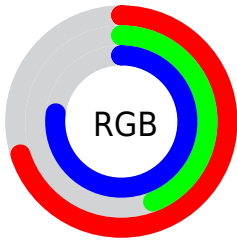
Format	Color
RYB	178, 112, 196
Decimal	11694276
CIELab	57.00, 40.20, -33.47
CIElCh	57, 52.314, 320.219
Yxy	24.9227, 0.2982, 0.2187
Android (android.graphics.Color)	4289884356 (0xFFB270C4)
YUV	141.3100, 26.9622, 32.1771
Hunter-Lab	49.9226, 34.1236, -30.4412

Details

The CIELCh color $57, 52.314, 320.219$ is a light color, and the websafe version is hex `9966CC`. A complement of this color would be $73, 51.292, 136.011$, and the grayscale version is $59, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 52.460, 320.218$, and $37, 52.125, 320.292$ is the 20% darker color. If you saturate the color by 10%, you get $52, 63.870, 320.564$, and if you desaturate by 10%, it is $62, 40.212, 319.814$.

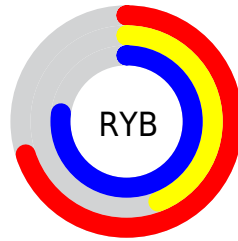
Distribution



Red (70%)

Green (44%)

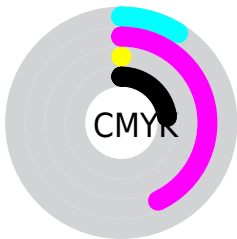
Blue (77%)



Red (70%)

Yellow (44%)

Blue (77%)

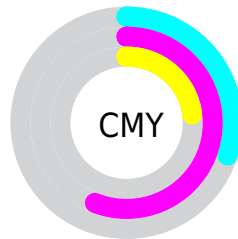


Cyan (9%)

Magenta (43%)

Yellow (0%)

Black (23%)



Cyan (30%)


Magenta (56%)


Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 52.314, 320.219 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 57, 52.314, 320.219 by changing the saturation by 10% instead.


 57, 52.314,
320.219


 57, 52.314,
320.219


 100, 52.314,
320.219


 47, 52.314,
320.219


 77, 52.314,
320.219


 37, 52.314,
320.219


 87, 52.314,
320.219

 27, 52.314,
320.219

 97, 52.314,
320.219

 17, 52.314,
320.219

 7, 52.314, 320.219

 0, 52.314, 320.219

57, 52.314,
320.219

57, 52.314,
320.219

52, 63.870,
320.564

62, 40.212,
319.814

48, 74.432,
320.811

67, 27.903,
319.378

45, 83.450,
320.915

72, 15.615,
318.930

42, 90.362,
320.829

77, 3.494, 318.449

40, 94.775,
320.511


83, 8.371, 138.111

39, 96.712,
320.175

88, 19.932,
137.700

94, 31.167,
137.325

96, 34.211,
135.799

 96, 33.499,
133.616

Harmonies

Complementary

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



57, 52.314, 320.219



73, 51.292, 136.011

Rectangle

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



57, 52.314, 320.219



57, 52.314, 10.219



57, 52.314, 140.219



57, 52.314, 190.219

Sweetspot

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



57, 52.312, 320.219



91, 19.495, 318.943



55, 37.888, 286.186



47, 13.666, 319.044



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 52.312, 320.219



68, 76.440, 320.530



58, 45.109, 336.779



38, 6.781, 318.769



32, 83.515, 320.282



3, 21.863, 316.838

Inverse Universe

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



57, 35.560, 7.621



68, 52.787, 9.466



73, 44.713, 149.845



38, 4.352, 2.973



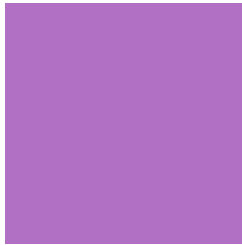
33, 64.835, 27.709



3, 14.327, 7.869

Previews

White Background



This preview shows how the CIELCh color 57, 52.314, 320.219 looks on a white background.

Color Contrast Check

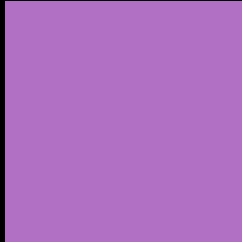
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 52.314, 320.219 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

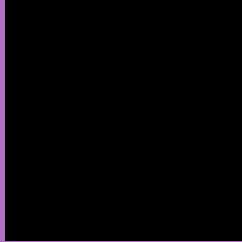
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 52.314, 320.219

Background



This preview shows how black text looks on a background with the CIELCh color 57, 52.314, 320.219.

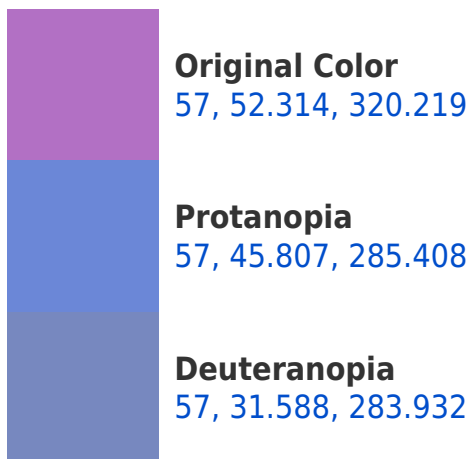


This preview shows how white text looks on a background with the CIELCh color 57, 52.314, 320.219.

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
57, 18.654, 3.944

Trichromacy



Original Color
57, 52.314, 320.219

Protanomaly
57, 46.340, 297.560

Deuteranomaly
57, 38.087, 300.800

Tritanomaly
57, 28.780, 335.947

Monochromacy



Original Color
57, 52.314, 320.219

Achromatopsia
59, 0.008, 296.813

Achromatomaly
57, 19.896, 318.850

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 52.314, 320.219 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(178, 112, 196)` looks like.

```
.text, #text, p{  
    color:rgb(178, 112, 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(178, 112, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 112, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 52.314, 320.219 is called "border". The border property can be set on classes, ids or directly on the HTML element.

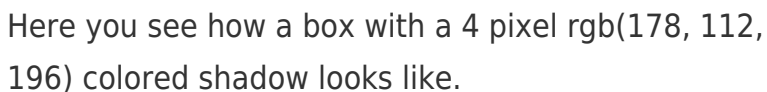
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 112, 196) }
```

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

```
.border{ border-color:rgb(178, 112, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 112, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 112, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 112, 196);  
box-shadow:4px 4px 4px 4px rgb(178, 112,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 52.314, 320.219 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 112, 196) }
```

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

```
.background{ background-color: rgb(178,  
112, 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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