

Converting Colors

CIELCh(45, 56.918, 318.783)

Have a look what the booklet for
CIELCh(45, 56.918, 318.783)
contains.

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Color

CIELCh(45, 57.198, 318.690)

Conversions

Conversions Part 1

Format	Color
Hex	914FAA
RGB	145, 79, 170
RGB Percent	57%, 31%, 67%
CMY	0.4309, 0.6898, 0.3329
CMYK	0.15, 0.53, 0.00, 0.33
HSL	284°, 37%, 49%
HSV	284°, 53%, 67%
XYZ	21.7644, 14.5417, 39.7417
YIQ	109.1080, 10.1250, 42.2930

Conversions

Conversions Part 2

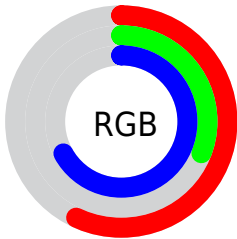
Format	Color
RYB	145, 79, 170
Decimal	9523114
CIELab	45.00, 42.96, -37.76
CIElCh	45, 57.198, 318.690
Yxy	14.5417, 0.2862, 0.1912
Android (android.graphics.Color)	4287713194 (0xFF914FAA)
YUV	109.1080, 30.0198, 31.4773
Hunter-Lab	38.1336, 35.1434, -35.0968

Details

The CIELCh color $45, 57.198, 318.690$ is a dark color, and the websafe version is hex `9966CC`. A complement of this color would be $64, 55.355, 133.755$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 57.132, 318.681$, and $25, 57.243, 318.844$ is the 20% darker color. If you saturate the color by 10%, you get $41, 66.793, 318.937$, and if you desaturate by 10%, it is $49, 46.823, 318.346$.

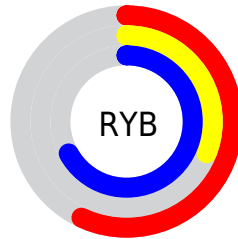
Distribution



Red (57%)

Green (31%)

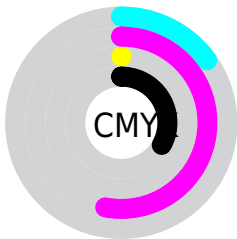
Blue (67%)



Red (57%)

Yellow (31%)

Blue (67%)

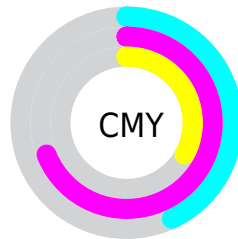


Cyan (15%)

Magenta (53%)

Yellow (0%)

Black (33%)



Cyan (43%)

Magenta (69%)

Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 57.198, 318.690 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 45, 57.198, 318.690 by changing the saturation by 10% instead.


 45, 57.198,
318.690


 45, 57.198,
318.690


 100, 57.198,
318.690


 35, 57.198,
318.690

 65, 57.198,
318.690


 25, 57.198,
318.690

 75, 57.198,
318.690

 15, 57.198,
318.690

 85, 57.198,
318.690

 5, 57.198, 318.690

 95, 57.198,
318.690

 0, 57.198, 318.690

 45, 57.198,

 45, 57.198,

318.690

41, 66.793,
318.937

38, 75.124,
319.035

35, 81.659,
318.926

33, 85.979,
318.556

32, 87.987,
318.230

318.690

49, 46.823,
318.346

54, 36.056,
317.944

58, 25.168,
317.517

63, 14.339,
317.081

68, 3.683, 316.628

73, 6.736, 136.298

78, 16.882,
135.909

83, 26.741,
135.559

■ 88, 36.312,
135.240

Harmonies

Complementary

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



45, 57.198, 318.690



64, 55.355, 133.755

Rectangle

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



45, 57.198, 318.690



45, 57.198, 8.690



45, 57.198, 138.690



45, 57.198, 188.690

Sweetspot

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



45, 57.197, 318.690



79, 21.149, 317.203



45, 39.155, 284.492



41, 14.418, 317.290



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



45, 57.197, 318.690



53, 83.237, 318.965



47, 51.453, 334.743



33, 5.935, 316.897



28, 79.348, 318.331



1, 10.530, 314.220

Inverse Universe

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



46, 40.085, 5.156



55, 58.875, 8.133



63, 51.620, 146.251



33, 3.971, 358.544



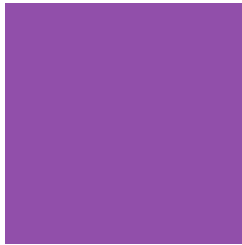
31, 58.789, 22.257



1, 6.978, 0.512

Previews

White Background



This preview shows how the CIELCh color 45, 57.198, 318.690 looks on a white 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

Black Background



This preview shows how the CIE LCh color 45, 57.198, 318.690 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

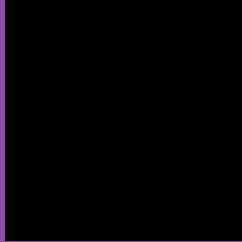
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 57.198, 318.690

Background



This preview shows how black text looks on a background with the CIELCh color 45, 57.198, 318.690.

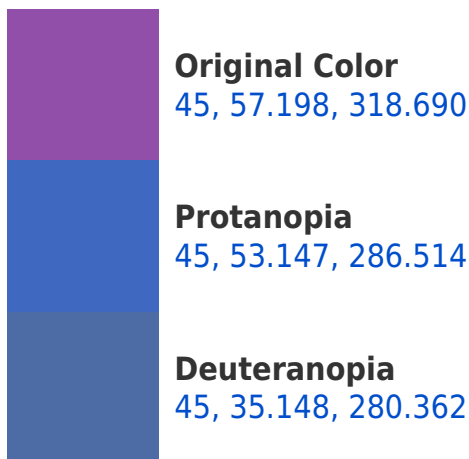



This preview shows how white text looks on a background with the CIELCh color 45, 57.198, 318.690.

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
45, 17.119, 7.844

Trichromacy



Original Color
45, 57.198, 318.690

Protanomaly
44, 53.662, 296.558

Deuteranomaly
44, 41.915, 297.839

Tritanomaly
45, 29.003, 334.482

Monochromacy



Original Color
45, 57.198, 318.690

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 21.820, 317.627

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 57.198, 318.690 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(145, 79, 170)` looks like.

```
.text, #text, p{  
    color:rgb(145, 79, 170)  
}
```

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(145, 79, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 79, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 57.198, 318.690 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(145, 79, 170) }
```

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

```
.border{ border-color:rgb(145, 79, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 79, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 79, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 79, 170);  
box-shadow:4px 4px 4px 4px rgb(145, 79,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 57.198, 318.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 79, 170) }
```

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

```
.background{ background-color: rgb(145, 79,  
170) }
```

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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