

Converting Colors

CIELCh(45, 58.476, 316.634)

Have a look what the booklet for
CIELCh(45, 58.476, 316.634)
contains.

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Color

CIELCh(45, 58.398, 316.668)

Conversions

Conversions Part 1	
Format	Color
Hex	8E50AE
RGB	142, 80, 174
RGB Percent	56%, 31%, 68%
CMY	0.4432, 0.6863, 0.3177
CMYK	0.18, 0.54, 0.00, 0.32
HSL	280°, 37%, 50%
HSV	280°, 54%, 68%
XYZ	21.6608, 14.5417, 41.7050
YIQ	109.2540, 6.7780, 42.3780

Conversions

Conversions Part 2

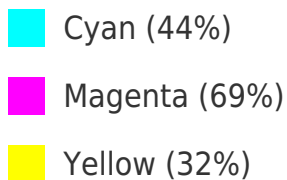
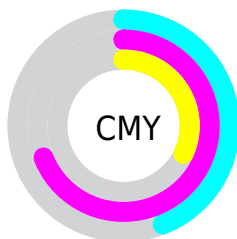
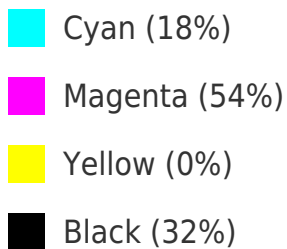
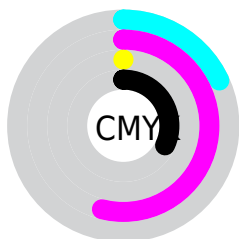
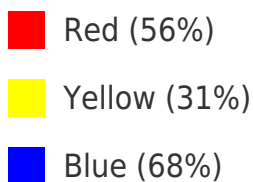
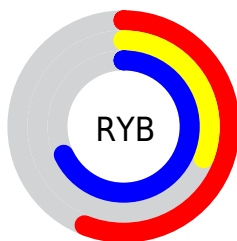
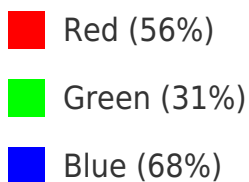
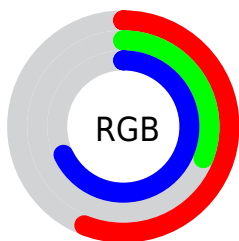
Format	Color
RYB	142, 80, 174
Decimal	9326766
CIELab	45.00, 42.48, -40.07
CIELCh	45, 58.398, 316.668
Yxy	14.5417, 0.2780, 0.1867
Android (android.graphics.Color)	4287516846 (0xFF8E50AE)
YUV	109.2540, 31.9198, 28.7182
Hunter-Lab	38.1336, 34.6585, -38.1492

Details

The CIELCh color **45, 58.398, 316.668** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **65, 55.780, 131.843**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 58.143, 316.717**, and **25, 58.377, 316.704** is the 20% darker color. If you saturate the color by 10%, you get **41, 68.313, 316.934**, and if you desaturate by 10%, it is **49, 47.777, 316.304**.

Distribution




Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 58.398, 316.668 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, 58.398, 316.668 by changing the saturation by 10% instead.

 45, 58.398,
316.668

 45, 58.398,
316.668

 100, 58.398,
316.668

 35, 58.398,
316.668

 65, 58.398,
316.668

 25, 58.398,
316.668

 75, 58.398,
316.668

 15, 58.398,
316.668

 85, 58.398,
316.668

 5, 58.398, 316.668


 95, 58.398,
316.668


 0, 58.398, 316.668

 45, 58.398,

 45, 58.398,


316.668

 41, 68.313,
316.934

 37, 77.015,
317.041

 34, 83.920,
316.917

 32, 88.531,
316.495


 31, 90.577,
316.163

316.668

 49, 47.777,
316.304


 54, 36.836,
315.886


 59, 25.834,
315.448


 64, 14.935,
315.010

 69, 4.241, 314.567

 74, 6.196, 134.234

 79, 16.348,
133.856

 84, 26.206,
133.521

 89, 35.772,
133.219

Harmonies

Complementary

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



45, 58.398, 316.668



65, 55.780, 131.843

Rectangle

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



45, 58.398, 316.668



45, 58.398, 6.668



45, 58.398, 136.668



45, 58.398, 186.668

Sweetspot

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



45, 58.397, 316.668



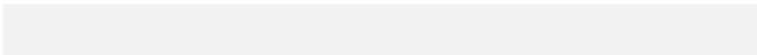
80, 21.201, 315.109



48, 36.735, 279.914



42, 14.458, 315.197



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 58.397, 316.668



52, 85.721, 316.972



49, 55.253, 332.154



34, 5.982, 314.805



26, 81.322, 316.281



1, 12.230, 311.328

Inverse Universe

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



47, 41.789, 0.415



56, 61.143, 3.336



64, 55.670, 144.063



34, 4.209, 354.020



31, 57.936, 16.391



2, 8.453, 357.522

Previews

White Background



This preview shows how the CIELCh color 45, 58.398, 316.668 looks on a white background.

Color Contrast Check

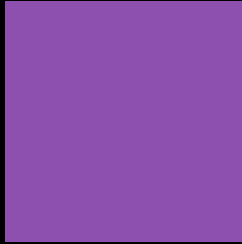
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 45, 58.398, 316.668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

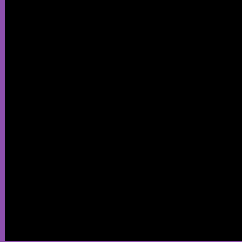
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 58.398, 316.668

Background



This preview shows how black text looks on a background with the CIELCh color 45, 58.398, 316.668.



This preview shows how white text looks on a background with the CIELCh color 45, 58.398, 316.668.

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



Original Color

45, 58.398, 316.668

Protanopia

45, 55.467, 286.858

Deuteranopia

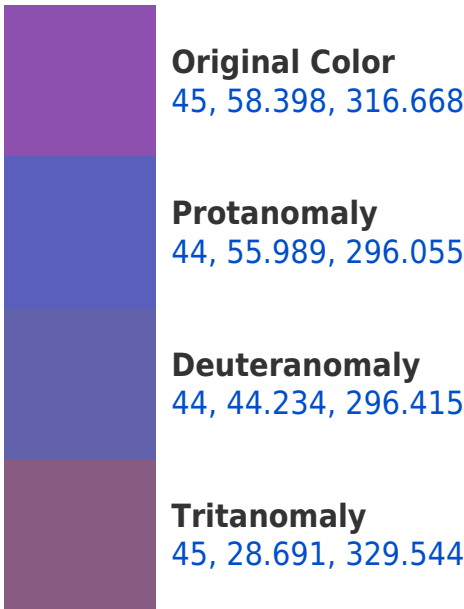
45, 37.579, 280.335



Tritanopia

45, 14.552, 4.891

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 58.398, 316.668 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(142, 80, 174)` looks like.

```
.text, #text, p{  
    color:rgb(142, 80, 174)  
}
```

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(142, 80, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 80, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 58.398, 316.668 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(142, 80, 174) }
```

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

```
.border{ border-color:rgb(142, 80, 174) }
```

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

Here you see how a box with a 4 pixel rgb(142, 80, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 80, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 80, 174);  
box-shadow:4px 4px 4px 4px rgb(142, 80,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 58.398, 316.668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 80, 174) }
```

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

```
.background{ background-color: rgb(142, 80,  
174) }
```

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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