

Converting Colors

CIELCh(45, 16.334, 309.415)

Have a look what the booklet for
CIELCh(45, 16.334, 309.415)
contains.

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Color

CIELCh(45, 16.274, 308.666)

Conversions

Conversions Part 1

Format	Color
Hex	726680
RGB	114, 102, 128
RGB Percent	45%, 40%, 50%
CMY	0.5543, 0.6013, 0.4994
CMYK	0.11, 0.20, 0.00, 0.50
HSL	268°, 11%, 45%
HSV	268°, 20%, 50%
XYZ	15.4877, 14.5417, 22.2937
YIQ	108.5520, -1.1940, 10.6300

Conversions

Conversions Part 2

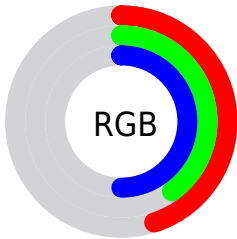
Format	Color
R_{YB}	114, 102, 128
Decimal	7497344
CIE _{Lab}	45.00, 10.17, -12.71
CIE _{LCh}	45, 16.274, 308.666
Yxy	14.5417, 0.2960, 0.2779
Android (android.graphics.Color)	4285687424 (0xFF726680)
YUV	108.5520, 9.5879, 4.7779
Hunter-Lab	38.1336, 5.7628, -7.9686

Details

The CIELCh color $45, 16.274, 308.666$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $52, 15.808, 126.798$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.356, 308.538$, and $25, 16.522, 309.002$ is the 20% darker color. If you saturate the color by 10%, you get $41, 24.587, 309.201$, and if you desaturate by 10%, it is $49, 8.163, 308.166$.

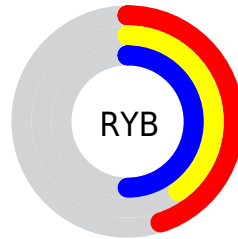
Distribution



Red (45%)

Green (40%)

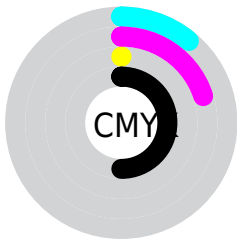
Blue (50%)



Red (45%)

Yellow (40%)

Blue (50%)

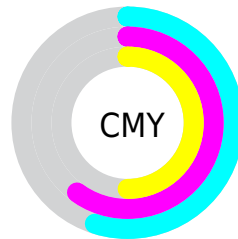


Cyan (11%)

Magenta (20%)

Yellow (0%)

Black (50%)



Cyan (55%)

Magenta (60%)

Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 16.274, 308.666 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, 16.274, 308.666 by changing the saturation by 10% instead.

 45, 16.274,
308.666

 45, 16.274,
308.666

 100, 16.274,
308.666

 35, 16.274,
308.666

 65, 16.274,
308.666

 25, 16.274,
308.666

 75, 16.274,
308.666

 15, 16.274,
308.666


 85, 16.274,
308.666

 5, 16.274, 308.666

 95, 16.274,
308.666

 0, 16.274, 308.666

 45, 16.274,

 45, 16.274,

308.666

41, 24.587,
309.201

37, 33.053,
309.764

33, 41.566,
310.332

29, 49.946,
310.868

26, 57.894,
311.312

22, 64.967,
311.577

20, 70.602,
311.554

18, 75.064,
311.407

308.666

49, 8.163, 308.166

53, 0.283, 307.459

57, 7.361, 127.334

62, 14.769,
126.970

66, 21.949,
126.653

70, 28.910,
126.376

74, 35.664,
126.134

78, 42.222,
125.925

82, 48.594,

Harmonies

Complementary

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



45, 16.274, 308.666



52, 15.808, 126.798

Rectangle

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



45, 16.274, 308.666



45, 16.274, 358.666



45, 16.274, 128.666



45, 16.274, 178.666

Sweetspot

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



45, 16.273, 308.665



65, 5.822, 307.965



48, 8.610, 252.489



34, 3.895, 307.990



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 16.273, 308.665



56, 23.889, 308.886



46, 18.256, 324.096



25, 4.430, 308.106



18, 74.997, 311.408



0, 0.000, 0.000

Inverse Universe

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



46, 13.475, 343.262



57, 19.723, 343.648



51, 18.210, 141.940



25, 3.689, 342.285



27, 51.340, 357.089



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 16.274, 308.666 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, 16.274, 308.666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

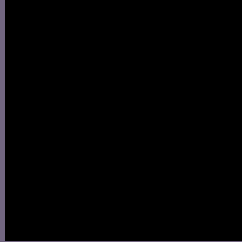
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 16.274, 308.666

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.274, 308.666.



This preview shows how white text looks on a background with the CIELCh color 45, 16.274, 308.666.

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, 16.274, 308.666

Protanopia

45, 14.389, 284.785

Deuteranopia

45, 13.819, 296.800



Tritanopia
45, 6.106, 318.447

Trichromacy



Original Color
45, 16.274, 308.666

Protanomaly
45, 14.979, 295.116

Deuteranomaly
45, 14.580, 301.163

Tritanomaly
45, 9.699, 312.985

Monochromacy



Original Color
45, 16.274, 308.666

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 5.624, 307.443

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.274, 308.666 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(114, 102, 128)` looks like.

```
.text, #text, p{  
    color:rgb(114, 102, 128)  
}
```

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(114, 102, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 102, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.274, 308.666 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(114, 102, 128) }
```

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

```
.border{ border-color:rgb(114, 102, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 102, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 102, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 102, 128);  
box-shadow:4px 4px 4px 4px rgb(114, 102,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.274, 308.666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 102, 128) }
```

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

```
.background{ background-color: rgb(114,  
102, 128) }
```

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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