

Converting Colors

CIELCh(45, 16.016, 309.272)

Have a look what the booklet for
CIELCh(45, 16.016, 309.272)
contains.

CIELCh(45, 15.707, 309.265)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 15.707, 309.265)

Conversions

Conversions Part 1

Format	Color
Hex	72667F
RGB	114, 102, 127
RGB Percent	45%, 40%, 50%
CMY	0.5539, 0.6009, 0.5029
CMYK	0.10, 0.20, 0.00, 0.50
HSL	269°, 11%, 45%
HSV	269°, 20%, 50%
XYZ	15.4492, 14.5417, 21.9853
YIQ	108.4380, -0.8730, 10.3190

Conversions

Conversions Part 2

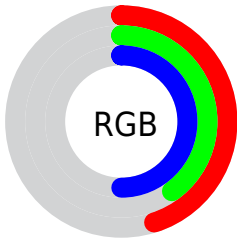
Format	Color
R_{YB}	114, 102, 127
Decimal	7497343
CIE Lab	45.00, 9.94, -12.16
CIE LCh	45, 15.707, 309.265
Yxy	14.5417, 0.2972, 0.2798
Android (android.graphics.Color)	4285687423 (0xFF72667F)
YUV	108.4380, 9.1511, 4.8779
Hunter-Lab	38.1336, 5.5825, -7.4892

Details

The CIELCh color $45, 15.707, 309.265$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $51, 15.288, 127.497$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 15.828, 309.107$, and $25, 15.898, 309.622$ is the 20% darker color. If you saturate the color by 10%, you get $41, 23.976, 309.782$, and if you desaturate by 10%, it is $49, 7.634, 308.780$.

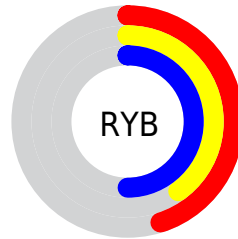
Distribution



Red (45%)

Green (40%)

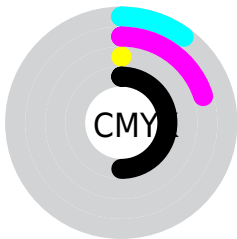
Blue (50%)



Red (45%)

Yellow (40%)

Blue (50%)

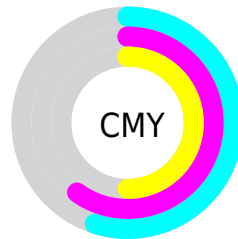


Cyan (10%)

Magenta (20%)

Yellow (0%)

Black (50%)



Cyan (55%)


Magenta (60%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 15.707, 309.265 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, 15.707, 309.265 by changing the saturation by 10% instead.


 45, 15.707,
309.265


 45, 15.707,
309.265


 100, 15.707,
309.265


 35, 15.707,
309.265

 65, 15.707,
309.265


 25, 15.707,
309.265

 75, 15.707,
309.265

 15, 15.707,
309.265


 85, 15.707,
309.265

 5, 15.707, 309.265

 95, 15.707,
309.265

 0, 15.707, 309.265

 45, 15.707,

 45, 15.707,

309.265

41, 23.976,
309.782

37, 32.389,
310.323

33, 40.844,
310.867

29, 49.160,
311.376

26, 57.047,
311.793

23, 64.078,
312.037

20, 69.711,
312.003

18, 74.249,
311.812

309.265

49, 7.634, 308.780

53, 0.214, 128.727

57, 7.828, 127.971

61, 15.211,
127.616

65, 22.369,
127.305

70, 29.310,
127.033

74, 36.046,
126.795

78, 42.587,
126.589

82, 48.945,

■ 18,74.387,
311.812

126.411

Harmonies

Complementary

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



45, 15.707, 309.265



51, 15.288, 127.497

Rectangle

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



45, 15.707, 309.265



45, 15.707, 359.265



45, 15.707, 129.265



45, 15.707, 179.265

Sweetspot

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



45, 15.706, 309.264



65, 5.843, 308.613



48, 8.401, 254.350



34, 3.909, 308.637



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, 15.706, 309.264



56, 23.961, 309.512



46, 17.661, 324.535



25, 4.446, 308.751



18, 74.709, 311.805



0, 0.000, 0.000

Inverse Universe

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



46, 12.813, 344.190



57, 19.491, 344.646



51, 17.627, 142.410



25, 3.643, 343.252



27, 51.072, 358.734



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 15.707, 309.265 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, 15.707, 309.265 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

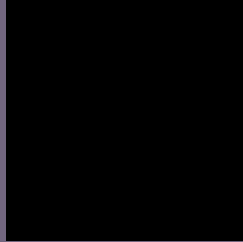
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 15.707, 309.265

Background



This preview shows how black text looks on a background with the CIELCh color 45, 15.707, 309.265.



This preview shows how white text looks on a background with the CIELCh color 45, 15.707, 309.265.

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, 15.707, 309.265

Protanopia

45, 13.801, 284.357

Deuteranopia

45, 13.225, 296.953



Tritanopia
45, 5.588, 321.297

Trichromacy



Original Color
45, 15.707, 309.265

Protanomaly
45, 14.384, 295.168

Deuteranomaly
45, 13.992, 301.502

Tritanomaly
45, 9.150, 314.360

Monochromacy



Original Color
45, 15.707, 309.265

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, 15.707, 309.265 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, 127)` looks like.

```
.text, #text, p{  
    color:rgb(114, 102, 127)  
}
```

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, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 102, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 15.707, 309.265 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, 127) }
```

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

```
.border{ border-color:rgb(114, 102, 127) }
```

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, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 102, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 102, 127);  
box-shadow:4px 4px 4px 4px rgb(114, 102,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 15.707, 309.265 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, 127) }
```

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

```
.background{ background-color: rgb(114,  
102, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor