

Converting Colors

CIELCh(45, 27.836, 306.503)

Have a look what the booklet for
CIELCh(45, 27.836, 306.503)
contains.

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Color

CIELCh(45, 27.674, 306.479)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | 746390 |
| RGB | 116, 99, 144 |
| RGB Percent | 45%, 39%, 56% |
| CMY | 0.5466, 0.6132, 0.4368 |
| CMYK | 0.19, 0.31, 0.00, 0.44 |
| HSL | 263°, 19%, 47% |
| HSV | 263°, 31%, 56% |
| XYZ | 16.5819, 14.5417, 28.1597 |
| YIQ | 109.2130, -4.3130, 17.5990 |

Conversions

Conversions Part 2

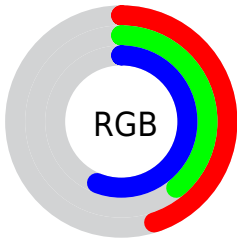
| Format | Color |
|-------------------------------------|---|
| RYB | 116, 99, 144 |
| Decimal | 7627664 |
| CIELab | 45.00, 16.45, -22.25 |
| CIELCh | 45, 27.674, 306.479 |
| Yxy | 14.5417, 0.2797, 0.2453 |
| Android (android.graphics.Color) | 4285817744 (0xFF746390) |
| YUV | 109.2130, 17.1500, 5.9522 |
| Hunter-Lab | 38.1336, 10.8844, -17.0891 |

Details

The CIELCh color $45, 27.674, 306.479$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $57, 26.206, 123.103$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.637, 306.682$, and $25, 27.627, 306.844$ is the 20% darker color. If you saturate the color by 10%, you get $40, 37.005, 307.167$, and if you desaturate by 10%, it is $50, 18.554, 305.840$.

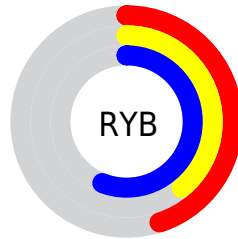
Distribution



Red (45%)

Green (39%)

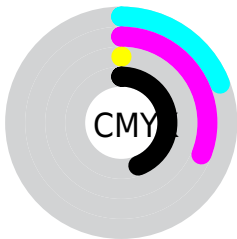
Blue (56%)



Red (45%)

Yellow (39%)

Blue (56%)

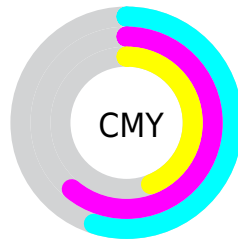


Cyan (19%)

Magenta (31%)

Yellow (0%)

Black (44%)



Cyan (55%)


Magenta (61%)

Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.674, 306.479 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, 27.674, 306.479 by changing the saturation by 10% instead.

 45, 27.674,
306.479


 45, 27.674,
306.479


 100, 27.674,
306.479

 35, 27.674,
306.479

 65, 27.674,
306.479


 25, 27.674,
306.479

 75, 27.674,
306.479

 15, 27.674,
306.479

 85, 27.674,
306.479

 5, 27.674, 306.479

 95, 27.674,
306.479

 0, 27.674, 306.479

 45, 27.674,

 45, 27.674,

306.479

40, 37.005,
307.167

36, 46.450,
307.883

32, 55.810,
308.586

28, 64.741,
309.206

24, 72.694,
309.637

21, 78.943,
309.742

19, 83.262,
309.690

306.479

50, 18.554,
305.840

54, 9.696, 305.259

59, 1.116, 304.696

64, 7.185, 124.301

68, 15.216,
123.897

73, 22.987,
123.546

78, 30.512,
123.243

82, 37.805,
122.981

87, 44.879,

Harmonies

Complementary

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



45, 27.674, 306.479



57, 26.206, 123.103

Rectangle

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



45, 27.674, 306.479



45, 27.674, 356.479



45, 27.674, 126.479



45, 27.674, 176.479

Sweetspot

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



45, 27.673, 306.479



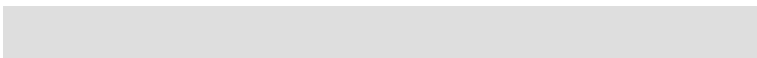
70, 9.498, 305.143



52, 13.618, 243.723



36, 6.666, 305.215



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



45, 27.673, 306.479



54, 41.925, 306.989



47, 30.287, 322.182



28, 4.799, 305.142



18, 79.616, 309.749



0, 3.198, 304.684

Inverse Universe

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



47, 24.222, 340.039



57, 36.228, 340.730



56, 30.032, 139.011



28, 4.300, 338.222



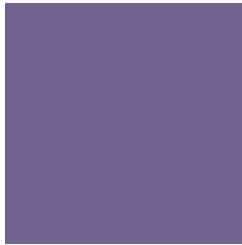
29, 55.364, 350.209



1, 2.880, 337.603

Previews

White Background



This preview shows how the CIELCh color 45, 27.674, 306.479 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, 27.674, 306.479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

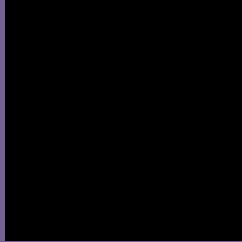
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.674, 306.479

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.674, 306.479.



This preview shows how white text looks on a background with the CIELCh color 45, 27.674, 306.479.

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, 27.674, 306.479

Protanopia

45, 26.400, 285.065

Deuteranopia

45, 22.166, 286.012



Tritanopia
45, 5.210, 313.569

Trichromacy



Original Color
45, 27.674, 306.479

Protanomaly
45, 26.270, 292.257

Deuteranomaly
45, 23.908, 294.275

Tritanomaly
45, 13.082, 307.348

Monochromacy



Original Color
45, 27.674, 306.479

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 10.447, 304.513

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.674, 306.479 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(116, 99, 144)` looks like.

```
.text, #text, p{  
    color:rgb(116, 99, 144)  
}
```

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(116, 99, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 99, 144) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.674, 306.479 is called "border". The border property can be set on classes, ids or directly on the HTML element.

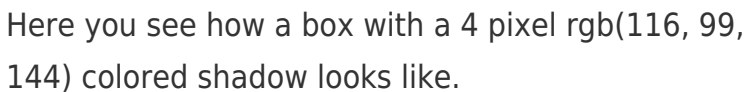
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 99, 144) }
```

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

```
.border{ border-color:rgb(116, 99, 144) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 99, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 99, 144); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 99, 144); box-shadow:4px 4px 4px 4px rgb(116, 99, 144) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.674, 306.479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 99, 144) }
```

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

```
.background{ background-color: rgb(116, 99,  
144) }
```

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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