

Converting Colors

CIELCh(45, 16.647, 340.120)

Have a look what the booklet for
CIELCh(45, 16.647, 340.120)
contains.

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Color

CIELCh(45, 16.229, 340.412)

Conversions

Conversions Part 1

Format	Color
Hex	806274
RGB	128, 98, 116
RGB Percent	50%, 38%, 45%
CMY	0.4987, 0.6163, 0.5457
CMYK	0.00, 0.23, 0.09, 0.50
HSL	324°, 13%, 44%
HSV	324°, 23%, 50%
XYZ	16.3756, 14.5417, 18.4201
YIQ	109.0220, 12.1020, 11.9580

Conversions

Conversions Part 2

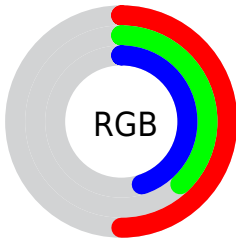
Format	Color
R_{YB}	128, 98, 116
Decimal	8413812
CIE _{Lab}	45.00, 15.29, -5.44
CIE _{LCh}	45, 16.229, 340.412
Yxy	14.5417, 0.3319, 0.2947
Android (android.graphics.Color)	4286603892 (0xFF806274)
YUV	109.0220, 3.4402, 16.6437
Hunter-Lab	38.1336, 9.9190, -1.9460

Details

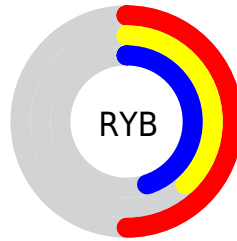
The CIELCh color $45, 16.229, 340.412$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $51, 15.960, 156.775$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 16.130, 340.279$, and $25, 16.272, 339.767$ is the 20% darker color. If you saturate the color by 10%, you get $42, 23.183, 341.302$, and if you desaturate by 10%, it is $49, 9.250, 339.593$.

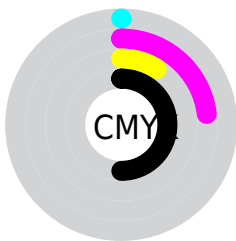
Distribution



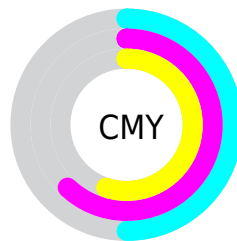
- Red (50%)
- Green (38%)
- Blue (45%)



- Red (50%)
- Yellow (38%)
- Blue (45%)



- Cyan (0%)
- Magenta (23%)
- Yellow (9%)
- Black (50%)





- Cyan (50%)
- Magenta (62%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 16.229, 340.412 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, 16.229, 340.412 by changing the saturation by 10% instead.


 45, 16.229,
340.412


 45, 16.229,
340.412


 100, 16.229,
340.412


 35, 16.229,
340.412

 65, 16.229,
340.412


 25, 16.229,
340.412

 75, 16.229,
340.412

 15, 16.229,
340.412


 85, 16.229,
340.412

 5, 16.229, 340.412

 95, 16.229,
340.412

 0, 16.229, 340.412

 45, 16.229,

 45, 16.229,

340.412

42, 23.183,
341.302

38, 29.955,
342.286

35, 36.318,
343.394

33, 41.984,
344.673

31, 46.625,
346.186

29, 49.941,
348.020

28, 51.771,
350.280

27, 52.670,
351.854

340.412

49, 9.250, 339.593

52, 2.357, 338.765

56, 4.387, 158.249

60, 10.946,
157.570

64, 17.304,
156.961

67, 23.459,
156.396

71, 29.415,
155.868

75, 35.181,
155.373

79, 40.770,

Harmonies

Complementary

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



45, 16.229, 340.412



51, 15.960, 156.775

Rectangle

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



45, 16.229, 340.412



45, 16.229, 30.412



45, 16.229, 160.412



45, 16.229, 210.412

Sweetspot

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



45, 16.227, 340.413



65, 5.916, 339.092



44, 18.634, 306.152



34, 3.875, 339.129



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, 16.227, 340.413



56, 23.988, 340.865



45, 12.985, 11.971



25, 3.850, 339.248



27, 52.571, 351.845



0, 0.000, 0.000

Inverse Universe

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



45, 16.227, 340.413



56, 23.988, 340.865



51, 11.565, 188.015



25, 3.850, 339.248



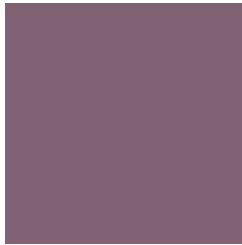
27, 52.571, 351.845



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 16.229, 340.412 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, 16.229, 340.412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

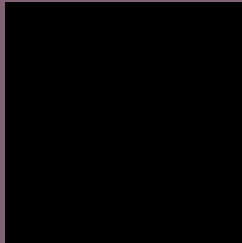
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 16.229, 340.412

Background



This preview shows how black text looks on a background with the CIELCh color 45, 16.229, 340.412.



This preview shows how white text looks on a background with the CIELCh color 45, 16.229, 340.412.

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, 16.229, 340.412

Protanopia

45, 8.970, 286.496

Deuteranopia

45, 7.535, 319.740



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 16.229, 340.412

Protanomaly
45, 10.398, 313.840

Deuteranomaly
45, 10.140, 330.874

Tritanomaly
45, 13.325, 351.911

Monochromacy



Original Color
45, 16.229, 340.412

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 5.772, 341.955

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 16.229, 340.412 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(128, 98, 116)` looks like.

```
.text, #text, p{  
    color:rgb(128, 98, 116)  
}
```

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(128, 98, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 98, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 16.229, 340.412 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(128, 98, 116) }
```

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

```
.border{ border-color:rgb(128, 98, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 98, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(128, 98, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(128, 98, 116); box-shadow:4px 4px 4px 4px rgb(128, 98, 116) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 16.229, 340.412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 98, 116) }
```

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

```
.background{ background-color: rgb(128, 98,  
116) }
```

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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