

Converting Colors

CIELCh(45, 45.700, 316.044)

Have a look what the booklet for
CIELCh(45, 45.700, 316.044)
contains.

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Color

CIELCh(45, 45.476, 315.680)

Conversions

Conversions Part 1

Format	Color
Hex	8658A0
RGB	134, 88, 160
RGB Percent	53%, 35%, 63%
CMY	0.4751, 0.6555, 0.3732
CMYK	0.16, 0.45, 0.00, 0.37
HSL	278°, 29%, 49%
HSV	278°, 45%, 63%
XYZ	19.6135, 14.5417, 34.9549
YIQ	109.9620, 4.3040, 32.1440

Conversions

Conversions Part 2

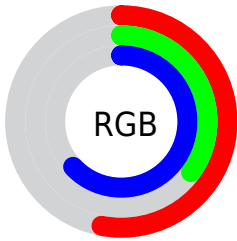
Format	Color
RYB	134, 88, 160
Decimal	8804512
CIELab	45.00, 32.54, -31.77
CIELCh	45, 45.476, 315.680
Yxy	14.5417, 0.2838, 0.2104
Android (android.graphics.Color)	4286994592 (0xFF8658A0)
YUV	109.9620, 24.6687, 21.0813
Hunter-Lab	38.1336, 25.0751, -27.6542

Details

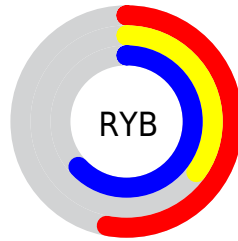
The CIELCh color $45, 45.476, 315.680$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $61, 43.610, 131.657$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 45.379, 315.492$, and $25, 45.646, 315.570$ is the 20% darker color. If you saturate the color by 10%, you get $41, 55.382, 316.049$, and if you desaturate by 10%, it is $49, 35.278, 315.259$.

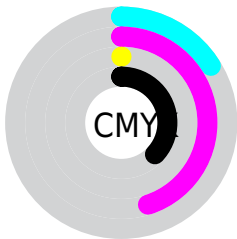
Distribution



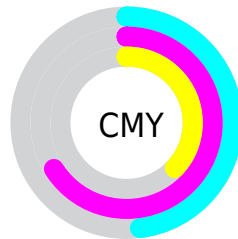
- Red (53%)
- Green (35%)
- Blue (63%)



- Red (53%)
- Yellow (35%)
- Blue (63%)



- Cyan (16%)
- Magenta (45%)
- Yellow (0%)
- Black (37%)




- Cyan (48%)
- Magenta (66%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 45.476, 315.680 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, 45.476, 315.680 by changing the saturation by 10% instead.


 45, 45.476,
315.680


 45, 45.476,
315.680


 100, 45.476,
315.680


 35, 45.476,
315.680

 65, 45.476,
315.680


 25, 45.476,
315.680

 75, 45.476,
315.680

 15, 45.476,
315.680

 85, 45.476,
315.680

 5, 45.476, 315.680

 95, 45.476,
315.680

 0, 45.476, 315.680

 45, 45.476,

 45, 45.476,

315.680

41, 55.382,
316.049

37, 64.644,
316.319

34, 72.784,
316.427

31, 79.249,
316.299

29, 83.590,
315.868

28, 85.388,
315.622

315.680

49, 35.278,
315.259

54, 25.030,
314.818

59, 14.885,
314.378


63, 4.932, 313.941

68, 4.780, 133.605

73, 14.227,
133.224

78, 23.402,
132.891

82, 32.305,
132.591

 87, 40.945,
132.323

Harmonies

Complementary

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



45, 45.476, 315.680



61, 43.610, 131.657

Rectangle

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



45, 45.476, 315.680



45, 45.476, 5.680



45, 45.476, 135.680



45, 45.476, 185.680

Sweetspot

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



45, 45.475, 315.680



75, 17.063, 314.344



48, 27.752, 276.191



39, 11.900, 314.433



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



45, 45.475, 315.680



53, 66.958, 316.048



48, 44.323, 330.978



31, 5.512, 314.127



24, 78.573, 315.722



1, 7.081, 312.679

Inverse Universe

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



46, 32.875, 357.195



55, 48.280, 359.043



60, 44.413, 144.660



31, 3.943, 352.646



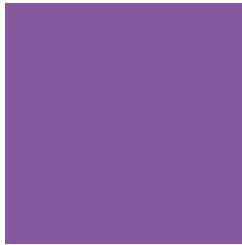
30, 55.385, 14.171



1, 5.024, 353.077

Previews

White Background



This preview shows how the CIELCh color 45, 45.476, 315.680 looks on a white background.

Color Contrast Check

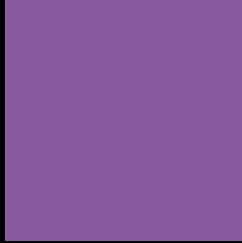
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 45, 45.476, 315.680 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

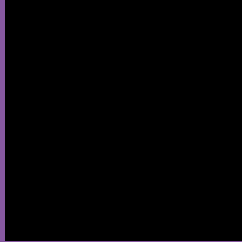
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 45.476, 315.680

Background



This preview shows how black text looks on a background with the CIELCh color 45, 45.476, 315.680.



This preview shows how white text looks on a background with the CIELCh color 45, 45.476, 315.680.

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, 45.476, 315.680

Protanopia

45, 41.310, 285.424

Deuteranopia

45, 30.170, 282.158



Tritanopia
45, 11.659, 0.139

Trichromacy



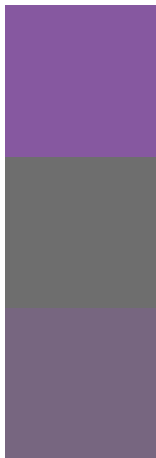
Original Color
45, 45.476, 315.680

Protanomaly
45, 41.768, 295.693

Deuteranomaly
45, 34.758, 296.995

Tritanomaly
45, 22.079, 328.412

Monochromacy



Original Color
45, 45.476, 315.680

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 16.910, 315.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 45.476, 315.680 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(134, 88, 160)` looks like.

```
.text, #text, p{  
    color:rgb(134, 88, 160)  
}
```

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(134, 88, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 88, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 45.476, 315.680 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(134, 88, 160) }
```

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

```
.border{ border-color:rgb(134, 88, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 88, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 88, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 88, 160);  
box-shadow:4px 4px 4px 4px rgb(134, 88,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 45.476, 315.680 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 88, 160) }
```

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

```
.background{ background-color: rgb(134, 88,  
160) }
```

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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