

Converting Colors

CIELCh(45, 23.895, 317.276)

Have a look what the booklet for
CIELCh(45, 23.895, 317.276)
contains.

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Color

CIELCh(45, 24.268, 316.956)

Conversions

Conversions Part 1

Format	Color
Hex	7B6186
RGB	123, 97, 134
RGB Percent	48%, 38%, 53%
CMY	0.5168, 0.6188, 0.4737
CMYK	0.08, 0.28, 0.00, 0.47
HSL	282°, 16%, 45%
HSV	282°, 28%, 53%
XYZ	16.8113, 14.5417, 24.5547
YIQ	108.9920, 3.6190, 17.0190

Conversions

Conversions Part 2

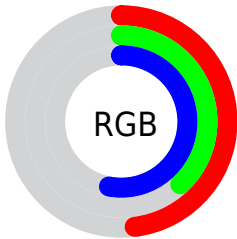
Format	Color
R_{YB}	123, 97, 134
Decimal	8085894
CIE _{Lab}	45.00, 17.74, -16.56
CIE _{LCh}	45, 24.268, 316.956
Yxy	14.5417, 0.3007, 0.2601
Android (android.graphics.Color)	4286275974 (0xFF7B6186)
YUV	108.9920, 12.3289, 12.2850
Hunter-Lab	38.1336, 11.9585, -11.4841

Details

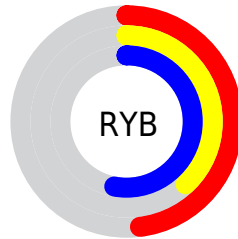
The CIELCh color $45, 24.268, 316.956$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $53, 23.794, 134.567$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 24.042, 317.176$, and $25, 24.334, 317.500$ is the 20% darker color. If you saturate the color by 10%, you get $41, 33.205, 317.371$, and if you desaturate by 10%, it is $49, 15.348, 316.530$.

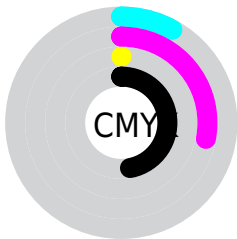
Distribution



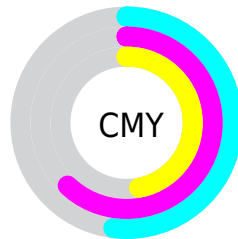
- Red (48%)
- Green (38%)
- Blue (53%)



- Red (48%)
- Yellow (38%)
- Blue (53%)



- Cyan (8%)
- Magenta (28%)
- Yellow (0%)
- Black (47%)





- Cyan (52%)
- Magenta (62%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 24.268, 316.956 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, 24.268, 316.956 by changing the saturation by 10% instead.


 45, 24.268,
316.956


 45, 24.268,
316.956


 100, 24.268,
316.956


 35, 24.268,
316.956

 65, 24.268,
316.956


 25, 24.268,
316.956

 75, 24.268,
316.956

 15, 24.268,
316.956

 85, 24.268,
316.956

 5, 24.268, 316.956

 95, 24.268,
316.956

 0, 24.268, 316.956

 45, 24.268,

 45, 24.268,

316.956

41, 33.205,
317.371

38, 42.004,
317.755

34, 50.428,
318.075

31, 58.149,
318.287

28, 64.760,
318.338

26, 69.834,
318.168

24, 73.353,
317.781

24, 74.197,
317.696

316.956

49, 15.348,
316.530

53, 6.551, 316.104

57, 2.065, 135.793

61, 10.466,
135.367

65, 18.639,
135.016

69, 26.579,
134.696

73, 34.289,
134.407

77, 41.777,
134.145

■ 81, 49.050,
133.910

Harmonies

Complementary

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



45, 24.268, 316.956



53, 23.794, 134.567

Rectangle

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



45, 24.268, 316.956



45, 24.268, 6.956



45, 24.268, 136.956



45, 24.268, 186.956

Sweetspot

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



45, 24.266, 316.956



67, 8.535, 316.130



46, 15.798, 277.623



34, 6.048, 316.187



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 24.266, 316.956



55, 35.910, 317.214



46, 22.797, 332.224



26, 4.837, 316.170



23, 72.511, 317.724



0, 1.148, 315.818

Inverse Universe

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



45, 16.793, 359.008



55, 24.980, 359.836



53, 22.698, 148.562



26, 3.290, 356.918



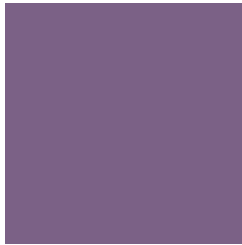
26, 52.784, 19.512



0, 0.774, 356.146

Previews

White Background



This preview shows how the CIELCh color 45, 24.268, 316.956 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, 24.268, 316.956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

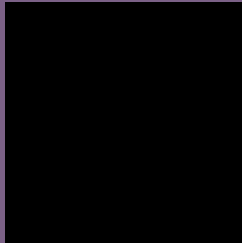
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 24.268, 316.956

Background



This preview shows how black text looks on a background with the CIELCh color 45, 24.268, 316.956.



This preview shows how white text looks on a background with the CIELCh color 45, 24.268, 316.956.

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, 24.268, 316.956

Protanopia

45, 20.993, 285.387

Deuteranopia

45, 16.708, 291.220



Tritanopia
45, 8.840, 348.016

Trichromacy



Original Color
45, 24.268, 316.956

Protanomaly
45, 21.654, 297.911

Deuteranomaly
45, 18.903, 302.920

Tritanomaly
45, 14.154, 328.073

Monochromacy



Original Color
45, 24.268, 316.956

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 8.579, 315.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 24.268, 316.956 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(123, 97, 134)` looks like.

```
.text, #text, p{  
    color:rgb(123, 97, 134)  
}
```

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(123, 97, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 97, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 24.268, 316.956 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(123, 97, 134) }
```

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

```
.border{ border-color:rgb(123, 97, 134) }
```

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

Here you see how a box with a 4 pixel rgb(123, 97, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 97, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 97, 134);  
box-shadow:4px 4px 4px 4px rgb(123, 97,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 24.268, 316.956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 97, 134) }
```

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

```
.background{ background-color: rgb(123, 97,  
134) }
```

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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