

Converting Colors

CIELCh(45, 27.978, 323.190)

Have a look what the booklet for
CIELCh(45, 27.978, 323.190)
contains.

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Color

CIELCh(45, 28.174, 323.198)

Conversions

Conversions Part 1

Format	Color
Hex	835E87
RGB	131, 94, 135
RGB Percent	51%, 37%, 53%
CMY	0.4868, 0.6319, 0.4711
CMYK	0.03, 0.30, 0.00, 0.47
HSL	294°, 18%, 45%
HSV	294°, 30%, 53%
XYZ	17.6930, 14.5417, 24.7448
YIQ	109.7370, 8.8910, 20.5950

Conversions

Conversions Part 2

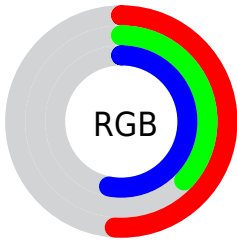
Format	Color
R_{YB}	131, 94, 135
Decimal	8609415
CIE _{Lab}	45.00, 22.56, -16.88
CIE _{LCh}	45, 28.174, 323.198
Yxy	14.5417, 0.3105, 0.2552
Android (android.graphics.Color)	4286799495 (0xFF835E87)
YUV	109.7370, 12.4547, 18.6477
Hunter-Lab	38.1336, 16.0857, -11.7797

Details

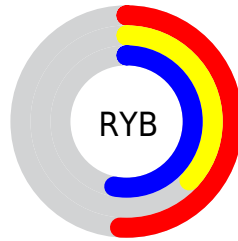
The CIELCh color $45, 28.174, 323.198$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 28.011, 140.016$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 28.004, 323.688$, and $25, 28.126, 323.488$ is the 20% darker color. If you saturate the color by 10%, you get $42, 37.283, 323.637$, and if you desaturate by 10%, it is $49, 18.877, 322.732$.

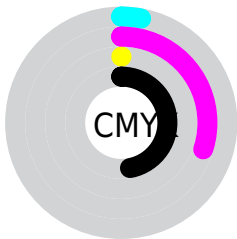
Distribution



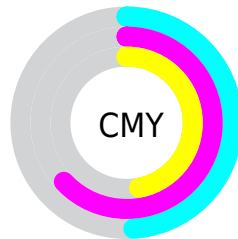
- Red (51%)
- Green (37%)
- Blue (53%)



- Red (51%)
- Yellow (37%)
- Blue (53%)



- Cyan (3%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)



- Cyan (49%)
- Magenta (63%)
- Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.174, 323.198 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, 28.174, 323.198 by changing the saturation by 10% instead.

 45, 28.174,
323.198

 45, 28.174,
323.198


 100, 28.174,
323.198

 35, 28.174,
323.198

 65, 28.174,
323.198


 25, 28.174,
323.198

 75, 28.174,
323.198

 15, 28.174,
323.198

 85, 28.174,
323.198

 5, 28.174, 323.198

 95, 28.174,
323.198

 0, 28.174, 323.198

 45, 28.174,

 45, 28.174,

323.198

42, 37.283,
323.637

38, 45.972,
324.031

36, 53.932,
324.355

33, 60.808,
324.585

31, 66.247,
324.694

30, 69.989,
324.663

29, 72.443,
324.541

323.198

49, 18.877,
322.732

52, 9.570, 322.252

56, 0.366, 321.321

60, 8.661, 141.365

64, 17.466,
140.916

68, 26.028,
140.497

72, 34.338,
140.104

76, 42.397,
139.737

80, 50.212,

Harmonies

Complementary

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



45, 28.174, 323.198



53, 28.011, 140.016

Rectangle

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



45, 28.174, 323.198



45, 28.174, 13.198



45, 28.174, 143.198



45, 28.174, 193.198

Sweetspot

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



45, 28.172, 323.198



68, 10.288, 322.193



43, 22.267, 289.644



35, 7.212, 322.257



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 28.172, 323.198



55, 41.383, 323.484



45, 22.004, 341.036



26, 5.117, 322.189



28, 70.562, 324.554



0, 1.217, 321.779

Inverse Universe

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



44, 17.914, 14.333



54, 26.831, 15.250



53, 21.552, 156.095



26, 3.071, 11.995



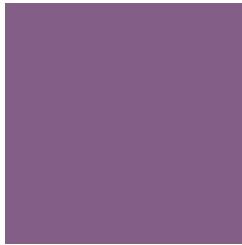
26, 59.221, 34.446



0, 0.715, 11.342

Previews

White Background



This preview shows how the CIELCh color 45, 28.174, 323.198 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, 28.174, 323.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

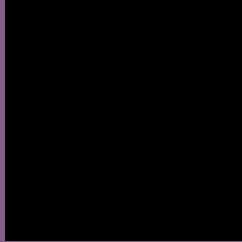
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.174, 323.198

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.174, 323.198.



This preview shows how white text looks on a background with the CIELCh color 45, 28.174, 323.198.

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, 28.174, 323.198

Protanopia

45, 22.787, 285.467

Deuteranopia

45, 16.708, 291.220



Tritanopia
45, 12.655, 359.130

Trichromacy



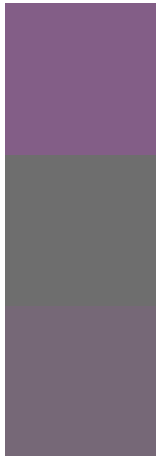
Original Color
45, 28.174, 323.198

Protanomaly
45, 23.576, 300.362

Deuteranomaly
45, 20.399, 306.594

Tritanomaly
45, 17.297, 338.341

Monochromacy



Original Color
45, 28.174, 323.198

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.585, 323.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.174, 323.198 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(131, 94, 135)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 135)  
}
```

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(131, 94, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.174, 323.198 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(131, 94, 135) }
```

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

```
.border{ border-color:rgb(131, 94, 135) }
```

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

Here you see how a box with a 4 pixel rgb(131, 94, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 135);  
box-shadow:4px 4px 4px 4px rgb(131, 94,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.174, 323.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 94, 135) }
```

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

```
.background{ background-color: rgb(131, 94,  
135) }
```

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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