

Converting Colors

CIELCh(45, 27.768, 323.593)

Have a look what the booklet for
CIELCh(45, 27.768, 323.593)
contains.

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Color

CIELCh(45, 27.685, 323.837)

Conversions

Conversions Part 1

Format	Color
Hex	835E86
RGB	131, 94, 134
RGB Percent	51%, 37%, 53%
CMY	0.4864, 0.6315, 0.4747
CMYK	0.02, 0.30, 0.00, 0.47
HSL	295°, 18%, 45%
HSV	295°, 30%, 53%
XYZ	17.6544, 14.5417, 24.4171
YIQ	109.6230, 9.2120, 20.2840

Conversions

Conversions Part 2

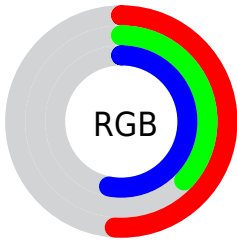
Format	Color
RYB	131, 94, 134
Decimal	8609414
CIELab	45.00, 22.35, -16.34
CIElCh	45, 27.685, 323.837
Yxy	14.5417, 0.3118, 0.2569
Android (android.graphics.Color)	4286799494 (0xFF835E86)
YUV	109.6230, 12.0179, 18.7476
Hunter-Lab	38.1336, 15.9049, -11.2701

Details

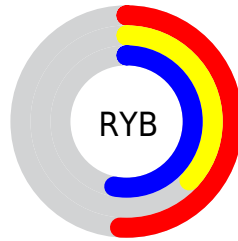
The CIELCh color $45, 27.685, 323.837$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $52, 27.566, 140.628$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.548, 324.304$, and $25, 27.599, 324.186$ is the 20% darker color. If you saturate the color by 10%, you get $42, 36.784, 324.289$, and if you desaturate by 10%, it is $49, 18.392, 323.360$.

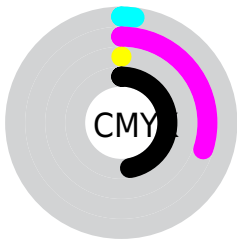
Distribution



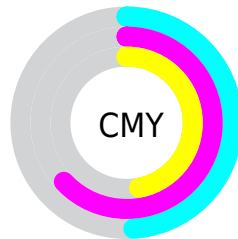
- Red (51%)
- Green (37%)
- Blue (53%)



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



- Cyan (2%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)




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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.685, 323.837 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, 27.685, 323.837 by changing the saturation by 10% instead.


 45, 27.685,
323.837


 45, 27.685,
323.837


 100, 27.685,
323.837


 35, 27.685,
323.837

 65, 27.685,
323.837


 25, 27.685,
323.837

 75, 27.685,
323.837

 15, 27.685,
323.837

 85, 27.685,
323.837

 5, 27.685, 323.837

 95, 27.685,
323.837

 0, 27.685, 323.837

 45, 27.685,

 45, 27.685,

323.837

42, 36.784,
324.289

39, 45.455,
324.697

36, 53.392,
325.040

34, 60.244,
325.295

32, 65.669,
325.440

30, 69.416,
325.457

29, 71.919,
325.383

29, 71.956,
325.382

323.837

49, 18.392,
323.360

52, 9.083, 322.867

56, 0.125, 143.834

60, 9.157, 141.957

64, 17.966,
141.497

68, 26.530,
141.065

72, 34.841,
140.659

75, 42.898,
140.279

79, 50.707,

Harmonies

Complementary

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



45, 27.685, 323.837



52, 27.566, 140.628

Rectangle

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



45, 27.685, 323.837



45, 27.685, 13.837



45, 27.685, 143.837



45, 27.685, 193.837

Sweetspot

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



45, 27.683, 323.837



67, 10.236, 322.834



42, 22.145, 290.307



34, 7.088, 322.897



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, 27.683, 323.837



55, 41.110, 324.154



45, 21.263, 341.823



26, 5.151, 322.829



28, 70.428, 325.390



0, 1.226, 322.409

Inverse Universe

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



44, 17.473, 16.003



54, 26.545, 16.969



52, 20.787, 156.909



26, 3.061, 13.807



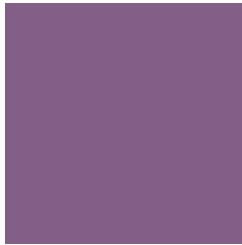
26, 59.899, 35.472



0, 0.712, 13.188

Previews

White Background



This preview shows how the CIELCh color 45, 27.685, 323.837 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, 27.685, 323.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

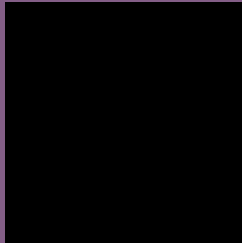
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.685, 323.837

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.685, 323.837.



This preview shows how white text looks on a background with the CIELCh color 45, 27.685, 323.837.

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, 27.685, 323.837

Protanopia

45, 22.202, 285.148

Deuteranopia

45, 16.114, 291.090



Tritanopia
45, 12.655, 359.130

Trichromacy



Original Color
45, 27.685, 323.837

Protanomaly
45, 22.987, 300.497

Deuteranomaly
45, 19.826, 306.981

Tritanomaly
45, 17.297, 338.341

Monochromacy



Original Color
45, 27.685, 323.837

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, 27.685, 323.837 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, 134)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 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(131, 94, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.685, 323.837 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, 134) }
```

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

```
.border{ border-color:rgb(131, 94, 134) }
```

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, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 134);  
box-shadow:4px 4px 4px 4px rgb(131, 94,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.685, 323.837 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, 134) }
```

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

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