

Converting Colors

CIELCh(45, 27.403, 322.500)

Have a look what the booklet for
CIELCh(45, 27.403, 322.500)
contains.

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Color

CIELCh(45, 28.003, 322.473)

Conversions

Conversions Part 1

Format	Color
Hex	825E87
RGB	130, 94, 135
RGB Percent	51%, 37%, 53%
CMY	0.4896, 0.6308, 0.4700
CMYK	0.04, 0.30, 0.00, 0.47
HSL	293°, 18%, 45%
HSV	293°, 30%, 53%
XYZ	17.6279, 14.5417, 24.8544
YIQ	109.4380, 8.2950, 20.3830

Conversions

Conversions Part 2

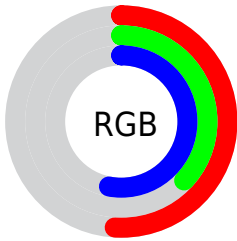
Format	Color
R_{YB}	130, 94, 135
Decimal	8543879
CIE _{Lab}	45.00, 22.21, -17.06
CIE _{LCh}	45, 28.003, 322.473
Yxy	14.5417, 0.3091, 0.2550
Android (android.graphics.Color)	4286733959 (0xFF825E87)
YUV	109.4380, 12.6021, 18.0329
Hunter-Lab	38.1336, 15.7806, -11.9501

Details

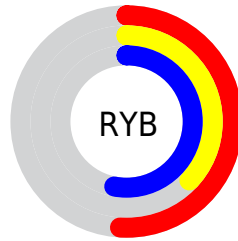
The CIELCh color $45, 28.003, 322.473$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $53, 27.795, 139.390$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 27.652, 322.329$, and $25, 27.975, 322.690$ is the 20% darker color. If you saturate the color by 10%, you get $42, 37.106, 322.902$, and if you desaturate by 10%, it is $49, 18.734, 322.018$.

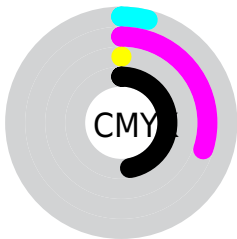
Distribution



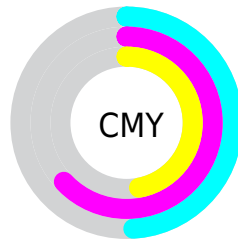
- Red (51%)
- Green (37%)
- Blue (53%)



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



- Cyan (4%)
- Magenta (30%)
- Yellow (0%)
- Black (47%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 28.003, 322.473 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, 28.003, 322.473 by changing the saturation by 10% instead.

 45, 28.003,
322.473


 45, 28.003,
322.473


 100, 28.003,
322.473

 35, 28.003,
322.473

 65, 28.003,
322.473


 25, 28.003,
322.473

 75, 28.003,
322.473

 15, 28.003,
322.473

 85, 28.003,
322.473

 5, 28.003, 322.473

 95, 28.003,
322.473

 0, 28.003, 322.473

 45, 28.003,

 45, 28.003,

322.473

42, 37.106,
322.902

38, 45.817,
323.285

35, 53.831,
323.597

33, 60.791,
323.809

31, 66.333,
323.891

30, 70.176,
323.819

29, 72.727,
323.648

322.473

49, 18.734,
322.018

52, 9.469, 321.548

56, 0.316, 320.566

60, 8.656, 140.686

64, 17.407,
140.252

68, 25.915,
139.847

72, 34.175,
139.469

76, 42.187,
139.117

80, 49.959,

Harmonies

Complementary

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



45, 28.003, 322.473



53, 27.795, 139.390

Rectangle

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



45, 28.003, 322.473



45, 28.003, 12.473



45, 28.003, 142.473



45, 28.003, 192.473

Sweetspot

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



45, 28.001, 322.473



68, 10.214, 321.493



43, 21.425, 288.056



35, 7.160, 321.555



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, 28.001, 322.473



55, 41.154, 322.755



45, 22.496, 339.412



26, 5.080, 321.489



27, 70.728, 323.665



0, 1.208, 321.090

Inverse Universe

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



44, 17.929, 12.451



54, 26.823, 13.390



53, 22.120, 154.640



26, 3.085, 10.058



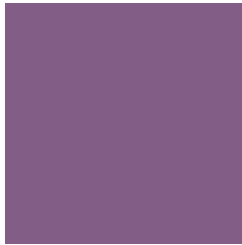
26, 58.391, 33.116



0, 0.720, 9.375

Previews

White Background



This preview shows how the CIELCh color 45, 28.003, 322.473 looks on a white background.

Color Contrast Check

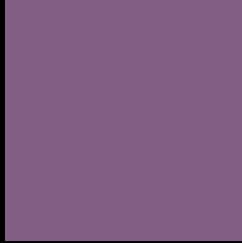
Large Text (above 18pt) WCAG AA ✓ Pass

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, 28.003, 322.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

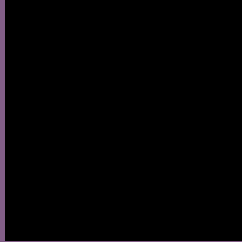
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 28.003, 322.473

Background



This preview shows how black text looks on a background with the CIELCh color 45, 28.003, 322.473.



This preview shows how white text looks on a background with the CIELCh color 45, 28.003, 322.473.

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, 28.003, 322.473

Protanopia

45, 22.787, 285.467

Deuteranopia

45, 16.708, 291.220



Tritanopia
45, 11.659, 0.139

Trichromacy



Original Color
45, 28.003, 322.473

Protanomaly
45, 23.534, 299.486

Deuteranomaly
45, 20.399, 306.594

Tritanomaly
45, 16.600, 338.824

Monochromacy



Original Color
45, 28.003, 322.473

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 10.379, 321.315

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 28.003, 322.473 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(130, 94, 135)` looks like.

```
.text, #text, p{  
    color:rgb(130, 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(130, 94, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 94, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 28.003, 322.473 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(130, 94, 135) }
```

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

```
.border{ border-color:rgb(130, 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(130, 94, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 94, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 94, 135);  
box-shadow:4px 4px 4px 4px rgb(130, 94,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 28.003, 322.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 94, 135) }
```

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

```
.background{ background-color: rgb(130, 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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