

Converting Colors

CIELCh(16, 45.584, 325.040)

Have a look what the booklet for
CIELCh(16, 45.584, 325.040)
contains.

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Color

CIELCh(16, 45.805, 325.058)

Conversions

Conversions Part 1

Format	Color
Hex	48094E
RGB	72, 9, 78
RGB Percent	28%, 4%, 31%
CMY	0.7188, 0.9662, 0.6952
CMYK	0.08, 0.89, 0.00, 0.70
HSL	295°, 80%, 17%
HSV	295°, 89%, 30%
XYZ	4.1087, 2.0993, 7.3427
YIQ	35.7030, 15.3990, 34.8150

Conversions

Conversions Part 2

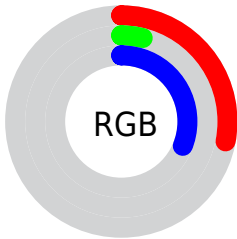
Format	Color
R_{YB}	72, 9, 78
Decimal	4720974
CIE _{Lab}	16.00, 37.55, -26.23
CIE _{LCh}	16, 45.805, 325.058
Yxy	2.0993, 0.3032, 0.1549
Android (android.graphics.Color)	4282911054 (0xFF48094E)
YUV	35.7030, 20.8524, 31.8325
Hunter-Lab	14.4890, 25.2621, -19.9046

Details

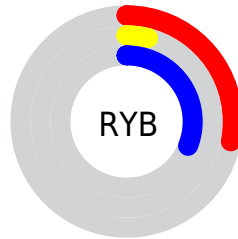
The CIELCh color **16, 45.805, 325.058** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **28, 46.413, 136.103**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 45.794, 324.792**, and **3, 21.263, 314.259** is the 20% darker color. If you saturate the color by 10%, you get **15, 48.767, 325.131**, and if you desaturate by 10%, it is **17, 42.673, 324.978**.

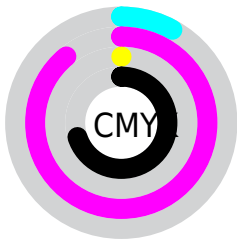
Distribution



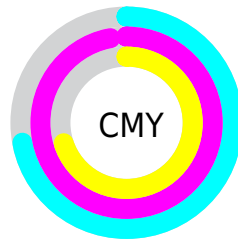
- Red (28%)
- Green (4%)
- Blue (31%)



- Red (28%)
- Yellow (4%)
- Blue (31%)



- Cyan (8%)
- Magenta (89%)
- Yellow (0%)
- Black (70%)





- Cyan (72%)
- Magenta (97%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 45.805, 325.058 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 16, 45.805, 325.058 by changing the saturation by 10% instead.

 16, 45.805,
325.058


 16, 45.805,
325.058


 100, 45.805,
325.058


 6, 45.805, 325.058


 36, 45.805,
325.058

 0, 45.805, 325.058

 46, 45.805,
325.058


 56, 45.805,
325.058


 66, 45.805,
325.058


 76, 45.805,
325.058


 86, 45.805,


325.058


 96, 45.805,
325.058


 16, 45.805,
325.058


 16, 45.805,
325.058


 15, 48.767,
325.131


 17, 42.673,
324.978

 15, 49.108,
325.142

 18, 38.642,
324.793

 20, 33.873,
324.518

 22, 28.567,
324.174

 24, 22.910,
323.780

■ 26, 17.058,
323.354

■ 29, 11.131,
322.909

■ 31, 5.215, 322.450

■ 33, 0.630, 142.222

Harmonies

Complementary

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



16, 45.805, 325.058



28, 46.413, 136.103

Rectangle

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



16, 45.805, 325.058



16, 45.805, 15.058



16, 45.805, 145.058



16, 45.805, 195.058

Sweetspot

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



16, 45.804, 325.058



35, 19.952, 323.315



9, 45.071, 301.113



16, 13.276, 323.385



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



16, 45.804, 325.058



21, 59.273, 325.028



16, 35.276, 348.036



14, 3.225, 322.437



51, 107.319, 324.802

Inverse Universe

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



15, 35.298, 27.444



19, 48.704, 32.450



28, 36.176, 148.576



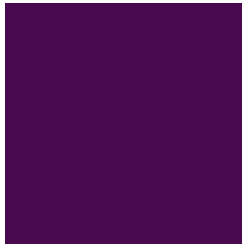
14, 1.921, 12.744



48, 92.922, 37.062

Previews

White Background



This preview shows how the CIE LCh color 16, 45.805, 325.058 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 16, 45.805, 325.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

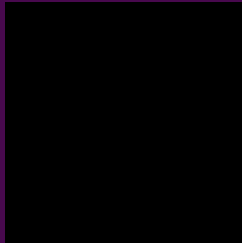
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 45.805, 325.058

Background



This preview shows how black text looks on a background with the CIELCh color 16, 45.805, 325.058.



This preview shows how white text looks on a background with the CIELCh color 16, 45.805, 325.058.

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

16, 45.805, 325.058

Protanopia

17, 32.326, 283.059

Deuteranopia

17, 21.601, 275.299



Tritanopia

17, 18.229, 20.289

Trichromacy



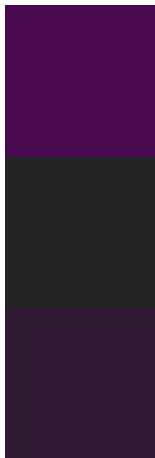
Original Color
16, 45.805, 325.058

Protanomaly
14, 38.681, 298.550

Deuteranomaly
15, 31.801, 302.645

Tritanomaly
16, 25.868, 345.608

Monochromacy



Original Color
16, 45.805, 325.058

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 20.855, 323.252

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 45.805, 325.058 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(72, 9, 78)` looks like.

```
.text, #text, p{  
    color:rgb(72, 9, 78)  
}
```

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(72, 9, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 9, 78) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 45.805, 325.058 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(72, 9, 78) }
```

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

```
.border{ border-color:rgb(72, 9, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 9, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 9, 78); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 9, 78); box-shadow:4px  
4px 4px 4px rgb(72, 9, 78) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 45.805, 325.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 9, 78) }
```

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

```
.background{ background-color: rgb(72, 9,  
78) }
```

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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