

Converting Colors

CIELCh(0, 113.569, 328.178)

Have a look what the booklet for
CIELCh(0, 113.569, 328.178)
contains.

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Color

CIELCh(16, 53.912, 322.198)

Conversions

Conversions Part 1

Format	Color
Hex	490058
RGB	73, 0, 88
RGB Percent	29%, 0%, 35%
CMY	0.7148, 1.0000, 0.6560
CMYK	0.17, 1.00, 0.00, 0.66
HSL	290°, 100%, 17%
HSV	290°, 100%, 34%
XYZ	4.4737, 2.0993, 9.3439
YIQ	31.8590, 15.2600, 42.8440

Conversions

Conversions Part 2

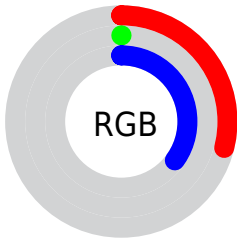
Format	Color
R_{YB}	73, 0, 88
Decimal	4784216
CIE _{Lab}	16.00, 42.60, -33.04
CIE _{LCh}	16, 53.912, 322.198
Yxy	2.0993, 0.2811, 0.1319
Android (android.graphics.Color)	4282974296 (0xFF490058)
YUV	31.8590, 27.6775, 36.0807
Hunter-Lab	14.4890, 29.7590, -28.0935

Details

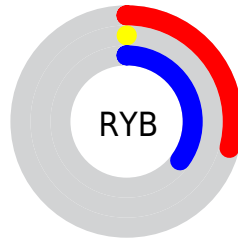
The CIELCh color **16, 53.912, 322.198** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **32, 53.750, 134.254**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 54.290, 322.129**, and **3, 28.478, 311.814** is the 20% darker color. If you saturate the color by 10%, you get **16, 53.803, 322.179**, and if you desaturate by 10%, it is **17, 50.632, 322.236**.

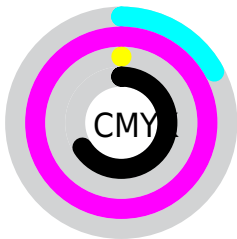
Distribution



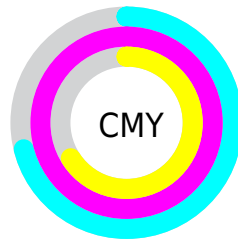
- Red (29%)
- Green (0%)
- Blue (35%)



- Red (29%)
- Yellow (0%)
- Blue (35%)



- Cyan (17%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)





- Cyan (71%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 16, 53.912, 322.198 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 16, 53.912, 322.198 by changing the saturation by 10% instead.

 16, 53.912,
322.198


 16, 53.912,
322.198


 100, 53.912,
322.198


 6, 53.912, 322.198


 36, 53.912,
322.198

 0, 53.912, 322.198

 46, 53.912,
322.198


 56, 53.912,
322.198


 66, 53.912,
322.198


 76, 53.912,
322.198


 86, 53.912,


322.198


 96, 53.912,
322.198


 16, 53.912,
322.198


 16, 53.912,
322.198


 16, 53.803,
322.179

 17, 50.632,
322.236

 19, 47.240,
322.290

 20, 42.813,
322.195

 22, 37.563,
321.980

 24, 31.734,
321.677

■ 27, 25.544,
321.314

■ 29, 19.166,
320.914

■ 32, 12.729,
320.494

■ 35, 6.322, 320.064

Harmonies

Complementary

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



16, 53.912, 322.198



32, 53.750, 134.254

Rectangle

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



16, 53.912, 322.198



16, 53.912, 12.198



16, 53.912, 142.198



16, 53.912, 192.198

Sweetspot

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



16, 53.803, 322.179



38, 23.919, 320.955



10, 51.164, 300.909



18, 16.453, 321.065



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



16, 53.803, 322.179



23, 65.000, 321.986



17, 42.580, 344.426



16, 3.500, 320.010



21, 61.882, 322.032



49, 110.163, 321.638

Inverse Universe

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



16, 41.570, 26.243



23, 51.368, 29.052



32, 46.328, 143.360



16, 2.181, 6.129



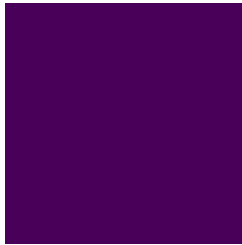
21, 48.698, 28.537



49, 89.684, 32.394

Previews

White Background



This preview shows how the CIELCh color 16, 53.912, 322.198 looks on a white background.

Color Contrast Check

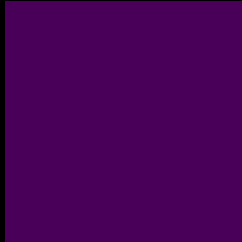
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 16, 53.912, 322.198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

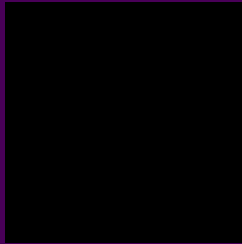
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 53.912, 322.198

Background



This preview shows how black text looks on a background with the CIELCh color 16, 53.912, 322.198.



This preview shows how white text looks on a background with the CIELCh color 16, 53.912, 322.198.

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

16, 53.912, 322.198

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 24.854, 271.402



Tritanopia
18, 16.409, 16.764

Trichromacy



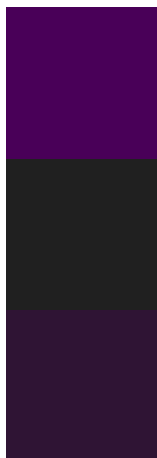
Original Color
16, 53.912, 322.198

Protanomaly
14, 43.400, 300.268

Deuteranomaly
14, 37.367, 298.267

Tritanomaly
16, 28.657, 338.315

Monochromacy



Original Color
16, 53.912, 322.198

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 25.106, 322.333

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 53.912, 322.198 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(73, 0, 88)` looks like.

```
.text, #text, p{  
    color:rgb(73, 0, 88)  
}
```

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(73, 0, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 0, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 53.912, 322.198 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(73, 0, 88) }
```

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

```
.border{ border-color:rgb(73, 0, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 0, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 0, 88); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 0, 88); box-shadow:4px  
4px 4px 4px rgb(73, 0, 88) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 53.912, 322.198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 0, 88) }
```

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

```
.background{ background-color: rgb(73, 0,  
88) }
```

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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