

Converting Colors

CIELCh(16, 53.193, 323.170)

Have a look what the booklet for
CIELCh(16, 53.193, 323.170)
contains.

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Color

CIELCh(16, 52.882, 323.267)

Conversions

Conversions Part 1

Format	Color
Hex	4A0056
RGB	74, 0, 86
RGB Percent	29%, 0%, 34%
CMY	0.7112, 1.0000, 0.6641
CMYK	0.14, 1.00, 0.00, 0.66
HSL	292°, 100%, 17%
HSV	292°, 100%, 34%
XYZ	4.4576, 2.0993, 8.9009
YIQ	31.9300, 16.4980, 42.4340

Conversions

Conversions Part 2

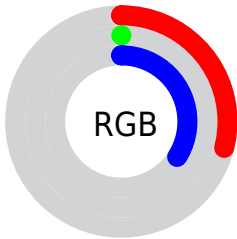
Format	Color
RYB	74, 0, 86
Decimal	4849750
CIELab	16.00, 42.38, -31.63
CIElCh	16, 52.882, 323.267
Yxy	2.0993, 0.2884, 0.1358
Android (android.graphics.Color)	4283039830 (0xFF4A0056)
YUV	31.9300, 26.6565, 36.8954
Hunter-Lab	14.4890, 29.5610, -26.2810

Details

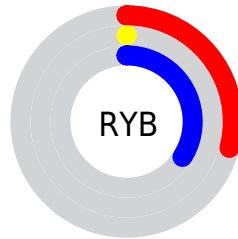
The CIELCh color **16, 52.882, 323.267** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **31, 53.100, 134.591**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 52.921, 323.461**, and **3, 27.110, 313.394** is the 20% darker color. If you saturate the color by 10%, you get **16, 52.738, 323.245**, and if you desaturate by 10%, it is **17, 49.657, 323.263**.

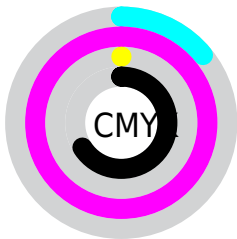
Distribution



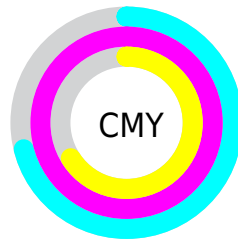
- Red (29%)
- Green (0%)
- Blue (34%)



- Red (29%)
- Yellow (0%)
- Blue (34%)



- Cyan (14%)
- Magenta (100%)
- Yellow (0%)
- Black (66%)





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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 52.882, 323.267 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, 52.882, 323.267 by changing the saturation by 10% instead.

 16, 52.882,
323.267

 16, 52.882,
323.267


 100, 52.882,
323.267


 6, 52.882, 323.267


 36, 52.882,
323.267

 0, 52.882, 323.267

 46, 52.882,
323.267


 56, 52.882,
323.267


 66, 52.882,
323.267


 76, 52.882,
323.267


 86, 52.882,

323.267


 96, 52.882,
323.267


 16, 52.882,
323.267


 16, 52.882,
323.267


 16, 52.738,
323.245

 17, 49.657,
323.263

 18, 46.380,
323.279

 20, 42.090,
323.161

 22, 36.980,
322.931

 24, 31.283,
322.618

■ 26, 25.209,
322.247

■ 29, 18.932,
321.840

■ 31, 12.583,
321.412

■ 34, 6.253, 320.972

Harmonies

Complementary

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



16, 52.882, 323.267



31, 53.100, 134.591

Rectangle

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



16, 52.882, 323.267



16, 52.882, 13.267



16, 52.882, 143.267



16, 52.882, 193.267

Sweetspot

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



16, 52.738, 323.245



38, 23.658, 321.883



9, 52.063, 301.961



17, 15.966, 321.986



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



16, 52.738, 323.245



23, 63.736, 323.079



17, 41.111, 346.660



16, 3.531, 320.918



21, 61.662, 323.105



50, 109.729, 322.775

Inverse Universe

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



15, 41.245, 27.501



22, 51.398, 30.924



31, 44.314, 144.617



16, 2.162, 8.532



21, 49.516, 30.477



49, 91.544, 34.351

Previews

White Background



This preview shows how the CIELCh color 16, 52.882, 323.267 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



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

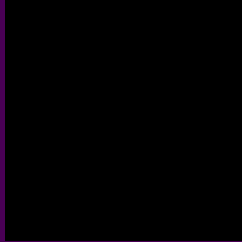
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 52.882, 323.267

Background



This preview shows how black text looks on a background with the CIELCh color 16, 52.882, 323.267.



This preview shows how white text looks on a background with the CIELCh color 16, 52.882, 323.267.

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, 52.882, 323.267

Protanopia

18, 32.840, 282.671

Deuteranopia

18, 24.854, 271.402



Tritanopia
18, 16.994, 19.408

Trichromacy



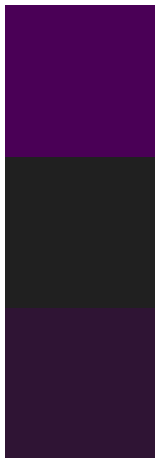
Original Color
16, 52.882, 323.267

Protanomaly
14, 42.732, 300.449

Deuteranomaly
14, 36.685, 298.489

Tritanomaly
16, 28.482, 340.189

Monochromacy



Original Color
16, 52.882, 323.267

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, 52.882, 323.267 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(74, 0, 86)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 86)  
}
```

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(74, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 52.882, 323.267 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(74, 0, 86) }
```

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

```
.border{ border-color:rgb(74, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(74, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 86); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 86); box-shadow:4px  
4px 4px 4px rgb(74, 0, 86) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 52.882, 323.267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 86) }
```

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

```
.background{ background-color: rgb(74, 0,  
86) }
```

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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