

Converting Colors

CIELCh(16, 65.915, 308.629)

Have a look what the booklet for
CIELCh(16, 65.915, 308.629)
contains.

CIELCh(16, 65.549, 308.683)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(16, 65.549, 308.683)

Conversions

Conversions Part 1

Format	Color
Hex	2E0D73
RGB	46, 13, 115
RGB Percent	18%, 5%, 45%
CMY	0.8200, 0.9494, 0.5494
CMYK	0.60, 0.89, 0.00, 0.55
HSL	259°, 80%, 25%
HSV	259°, 89%, 45%
XYZ	4.3537, 2.0993, 16.3671
YIQ	34.4950, -13.0740, 38.7180

Conversions

Conversions Part 2

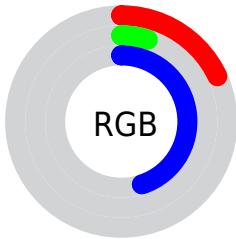
Format	Color
RYB	46, 13, 115
Decimal	3018099
CIELab	16.00, 40.97, -51.17
CIELCh	16, 65.549, 308.683
Yxy	2.0993, 0.1908, 0.0920
Android (android.graphics.Color)	4281208179 (0xFF2E0D73)
YUV	34.4950, 39.6890, 10.0899
Hunter-Lab	14.4890, 28.2806, -56.8332

Details

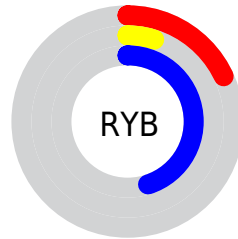
The CIELCh color **16, 65.549, 308.683** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 53.614, 119.770**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 65.303, 308.497**, and **4, 45.936, 302.483** is the 20% darker color. If you saturate the color by 10%, you get **14, 70.741, 308.986**, and if you desaturate by 10%, it is **19, 59.432, 308.263**.

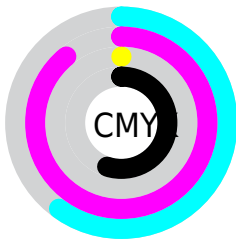
Distribution



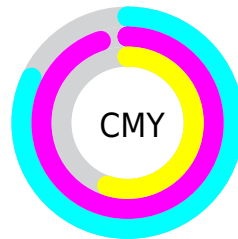
- Red (18%)
- Green (5%)
- Blue (45%)



- Red (18%)
- Yellow (5%)
- Blue (45%)



- Cyan (60%)
- Magenta (89%)
- Yellow (0%)
- Black (55%)





- Cyan (82%)
- Magenta (95%)
- Yellow (55%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 65.549, 308.683 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, 65.549, 308.683 by changing the saturation by 10% instead.

 16, 65.549,
308.683

 16, 65.549,
308.683


 100, 65.549,
308.683


 6, 65.549, 308.683


 36, 65.549,
308.683

 0, 65.549, 308.683

 46, 65.549,
308.683


 56, 65.549,
308.683


 66, 65.549,
308.683


 76, 65.549,
308.683


 86, 65.549,


308.683


 96, 65.549,
308.683


 16, 65.549,
308.683

 16, 65.549,
308.683


 14, 70.741,
308.986


 19, 59.432,
308.263

 13, 71.433,
309.056

 22, 52.215,
307.590

 25, 44.458,
306.796

 29, 36.535,
305.972

 33, 28.661,
305.174

■ 37, 20.948,
304.430

■ 41, 13.450,
303.755

■ 45, 6.185, 303.148

■ 49, 0.841, 122.665

Harmonies

Complementary

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



16, 65.549, 308.683



44, 53.614, 119.770

Rectangle

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



16, 65.549, 308.683



16, 65.549, 358.683



16, 65.549, 128.683



16, 65.549, 178.683

Sweetspot

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



16, 65.550, 308.684



49, 24.471, 304.355



33, 25.409, 252.058



23, 16.687, 304.543



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



16, 65.550, 308.684



19, 87.072, 308.798



24, 61.791, 321.801



22, 4.036, 303.164



15, 74.797, 308.989



35, 127.645, 308.470

Inverse Universe

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



25, 49.214, 343.756



33, 61.564, 346.262



42, 61.447, 134.602



23, 3.791, 335.813



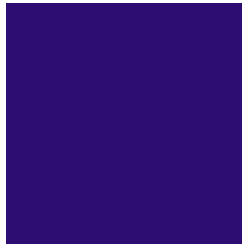
26, 53.209, 345.800



55, 89.273, 347.122

Previews

White Background



This preview shows how the CIE LCh color 16, 65.549, 308.683 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, 65.549, 308.683 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

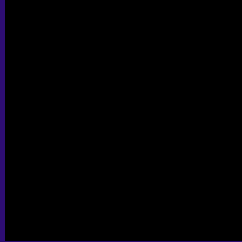
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 65.549, 308.683

Background



This preview shows how black text looks on a background with the CIELCh color 16, 65.549, 308.683.



This preview shows how white text looks on a background with the CIELCh color 16, 65.549, 308.683.

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, 65.549, 308.683

Protanopia

16, 31.751, 282.960

Deuteranopia

16, 21.984, 266.865



Tritanopia
17, 11.804, 207.446

Trichromacy



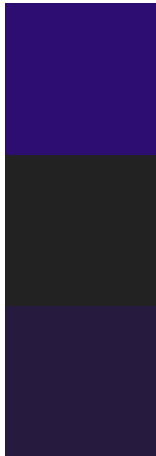
Original Color
16, 65.549, 308.683

Protanomaly
15, 45.893, 297.665

Deuteranomaly
15, 39.244, 294.827

Tritanomaly
15, 27.532, 292.183

Monochromacy



Original Color
16, 65.549, 308.683

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 26.887, 306.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 65.549, 308.683 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(46, 13, 115)` looks like.

```
.text, #text, p{  
    color:rgb(46, 13, 115)  
}
```

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(46, 13, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 13, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 65.549, 308.683 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(46, 13, 115) }
```

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

```
.border{ border-color:rgb(46, 13, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 13, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 13, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 13, 115);  
box-shadow:4px 4px 4px 4px rgb(46, 13,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 65.549, 308.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 13, 115) }
```

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

```
.background{ background-color: rgb(46, 13,  
115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor