

Converting Colors

CIELCh(16, 70.684, 311.347)

Have a look what the booklet for
CIELCh(16, 70.684, 311.347)
contains.

CIELCh(16, 70.576, 311.312)	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, 70.576, 311.312)

Conversions

Conversions Part 1

Format	Color
Hex	360176
RGB	54, 1, 118
RGB Percent	21%, 0%, 46%
CMY	0.7891, 0.9968, 0.5380
CMYK	0.54, 0.99, 0.00, 0.54
HSL	267°, 99%, 23%
HSV	267°, 99%, 46%
XYZ	4.7772, 2.0993, 17.2329
YIQ	30.1850, -5.9690, 47.6230

Conversions

Conversions Part 2

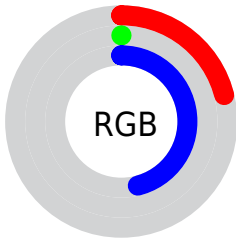
Format	Color
R_{YB}	54, 1, 118
Decimal	3539318
CIE _{Lab}	16.00, 46.59, -53.01
CIE _{LCh}	16, 70.576, 311.312
Yxy	2.0993, 0.1981, 0.0871
Android (android.graphics.Color)	4281729398 (0xFF360176)
YUV	30.1850, 43.2928, 20.8858
Hunter-Lab	14.4890, 33.4983, -60.3759

Details

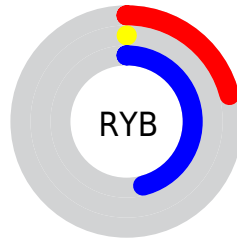
The CIELCh color **16, 70.576, 311.312** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **44, 60.136, 125.711**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 70.375, 311.244**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **16, 70.920, 311.321**, and if you desaturate by 10%, it is **18, 65.911, 311.385**.

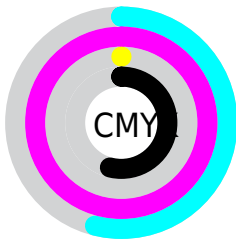
Distribution



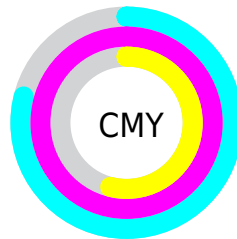
- Red (21%)
- Green (0%)
- Blue (46%)



- Red (21%)
- Yellow (0%)
- Blue (46%)



- Cyan (54%)
- Magenta (99%)
- Yellow (0%)
- Black (54%)





- Cyan (79%)
- Magenta (100%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 70.576, 311.312 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, 70.576, 311.312 by changing the saturation by 10% instead.

 16, 70.576,
311.312


 16, 70.576,
311.312


 100, 70.576,
311.312


 6, 70.576, 311.312


 36, 70.576,
311.312

 0, 70.576, 311.312

 46, 70.576,
311.312


 56, 70.576,
311.312


 66, 70.576,
311.312


 76, 70.576,
311.312


 86, 70.576,


311.312


 96, 70.576,
311.312


 16, 70.576,
311.312


 16, 70.576,
311.312


 16, 70.920,
311.321

 18, 65.911,
311.385

 21, 60.325,
311.332

 24, 53.499,
311.015

 27, 45.947,
310.539

 31, 38.055,
309.985

■ 34, 30.078,
309.408

■ 38, 22.169,
308.843

■ 42, 14.414,
308.308

■ 46, 6.855, 307.812

Harmonies

Complementary

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



16, 70.576, 311.312



44, 60.136, 125.711

Rectangle

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



16, 70.576, 311.312



16, 70.576, 1.312



16, 70.576, 131.312



16, 70.576, 181.312

Sweetspot

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



16, 70.576, 311.313



49, 28.151, 308.922



27, 35.358, 276.354



23, 19.168, 309.107



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, 70.576, 311.313



22, 85.941, 311.042



26, 65.305, 326.345



23, 4.124, 307.798



17, 72.923, 311.276



39, 124.401, 310.672

Inverse Universe

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



24, 48.584, 355.830



33, 58.634, 357.002



43, 67.169, 135.711



23, 3.460, 341.833



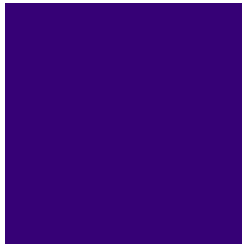
25, 50.023, 356.171



54, 84.170, 358.377

Previews

White Background



This preview shows how the CIE LCh color 16, 70.576, 311.312 looks on a white background.

Color Contrast Check

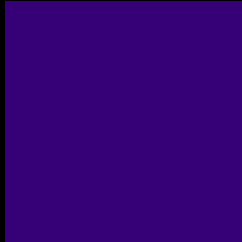
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.576, 311.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

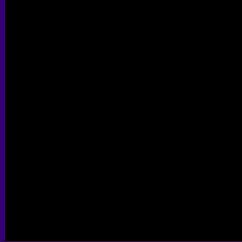
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 70.576, 311.312

Background



This preview shows how black text looks on a background with the CIELCh color 16, 70.576, 311.312.



This preview shows how white text looks on a background with the CIELCh color 16, 70.576, 311.312.

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

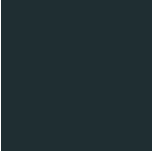
16, 70.576, 311.312

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
18, 6.807, 222.406

Trichromacy



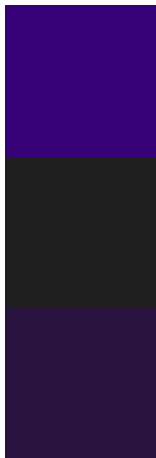
Original Color
16, 70.576, 311.312

Protanomaly
15, 49.868, 300.058

Deuteranomaly
14, 43.369, 297.982

Tritanomaly
15, 31.801, 303.231

Monochromacy



Original Color
16, 70.576, 311.312

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 31.557, 311.092

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 70.576, 311.312 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(54, 1, 118)` looks like.

```
.text, #text, p{  
    color:rgb(54, 1, 118)  
}
```

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(54, 1, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 1, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 70.576, 311.312 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(54, 1, 118) }
```

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

```
.border{ border-color:rgb(54, 1, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 1, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 1, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 1, 118);  
box-shadow:4px 4px 4px 4px rgb(54, 1, 118)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 70.576, 311.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 1, 118) }
```

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

```
.background{ background-color: rgb(54, 1,  
118) }
```

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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