

Converting Colors

CIELCh(16, 72.126, 310.872)

Have a look what the booklet for
CIELCh(16, 72.126, 310.872)
contains.

CIELCh(16, 72.166, 310.905)	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, 72.166, 310.905)

Conversions

Conversions Part 1

Format	Color
Hex	340078
RGB	52, 0, 120
RGB Percent	20%, 0%, 47%
CMY	0.7953, 0.9993, 0.5287
CMYK	0.57, 1.00, 0.00, 0.53
HSL	266°, 100%, 24%
HSV	266°, 100%, 47%
XYZ	4.8289, 2.0993, 17.9751
YIQ	29.2280, -7.5280, 48.3440

Conversions

Conversions Part 2

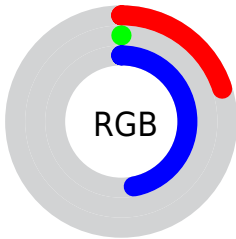
Format	Color
R_{YB}	52, 0, 120
Decimal	3407992
CIE _{Lab}	16.00, 47.25, -54.54
CIE _{LCh}	16, 72.166, 310.905
Yxy	2.0993, 0.1939, 0.0843
Android (android.graphics.Color)	4281598072 (0xFF340078)
YUV	29.2280, 44.7506, 19.9710
Hunter-Lab	14.4890, 34.1354, -63.4130

Details

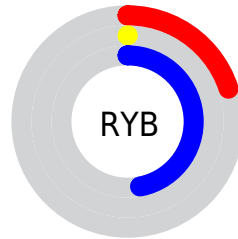
The CIELCh color **16, 72.166, 310.905** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 60.821, 125.052**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 72.007, 310.967**, and **4, 49.042, 303.550** is the 20% darker color. If you saturate the color by 10%, you get **16, 72.238, 310.908**, and if you desaturate by 10%, it is **18, 67.399, 310.940**.

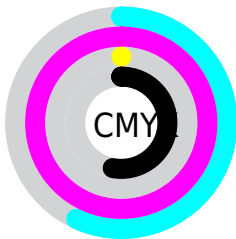
Distribution



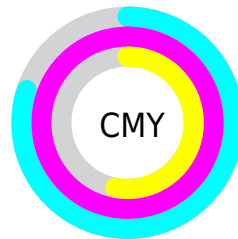
- Red (20%)
- Green (0%)
- Blue (47%)



- Red (20%)
- Yellow (0%)
- Blue (47%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)





- Cyan (80%)
- Magenta (100%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 72.166, 310.905 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, 72.166, 310.905 by changing the saturation by 10% instead.

 16, 72.166,
310.905


 16, 72.166,
310.905


 100, 72.166,
310.905


 6, 72.166, 310.905


 36, 72.166,
310.905

 0, 72.166, 310.905

 46, 72.166,
310.905


 56, 72.166,
310.905


 66, 72.166,
310.905


 76, 72.166,
310.905


 86, 72.166,


310.905


 96, 72.166,
310.905


 16, 72.166,
310.905


 16, 72.166,
310.905


 16, 72.238,
310.908

 18, 67.399,
310.940

 21, 61.746,
310.869

 24, 54.802,
310.524

 27, 47.106,
310.015

 31, 39.067,
309.428

■ 35, 30.948,
308.822

■ 39, 22.906,
308.231

■ 43, 15.026,
307.675

■ 47, 7.353, 307.161

Harmonies

Complementary

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



16, 72.166, 310.905



45, 60.821, 125.052

Rectangle

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



16, 72.166, 310.905



16, 72.166, 0.905



16, 72.166, 130.905



16, 72.166, 180.905

Sweetspot

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



16, 72.167, 310.906



49, 28.458, 308.281



28, 34.953, 274.641



24, 19.651, 308.481



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



16, 72.167, 310.906



22, 87.353, 310.640



26, 66.457, 325.721



24, 4.259, 307.123



17, 74.323, 310.863



38, 125.885, 310.284

Inverse Universe

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



25, 49.704, 354.408



33, 59.729, 355.345



44, 68.193, 135.565



24, 3.634, 340.870



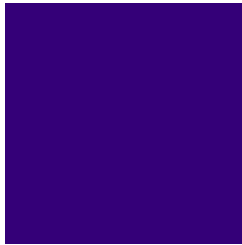
26, 51.104, 354.591



55, 85.324, 356.605

Previews

White Background



This preview shows how the CIELCh color 16, 72.166, 310.905 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, 72.166, 310.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

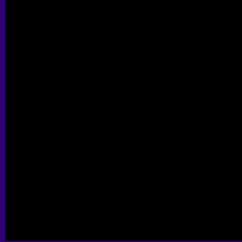
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 72.166, 310.905

Background



This preview shows how black text looks on a background with the CIELCh color 16, 72.166, 310.905.



This preview shows how white text looks on a background with the CIELCh color 16, 72.166, 310.905.

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

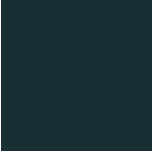
16, 72.166, 310.905

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
18, 8.793, 216.327

Trichromacy



Original Color
16, 72.166, 310.905

Protanomaly
15, 50.515, 300.009

Deuteranomaly
14, 43.393, 297.766

Tritanomaly
15, 32.471, 301.516

Monochromacy



Original Color
16, 72.166, 310.905

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 31.542, 309.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 72.166, 310.905 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(52, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(52, 0, 120)  
}
```

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(52, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 0, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 72.166, 310.905 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(52, 0, 120) }
```

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

```
.border{ border-color:rgb(52, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(52, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(52, 0, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 72.166, 310.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 0, 120) }
```

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

```
.background{ background-color: rgb(52, 0,  
120) }
```

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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