

Converting Colors

CIELCh(16, 31.107, 312.916)

Have a look what the booklet for
CIELCh(16, 31.107, 312.916)
contains.

CIELCh(16, 30.922, 312.833)	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, 30.922, 312.833)

Conversions

Conversions Part 1

Format	Color
Hex	341D48
RGB	52, 29, 72
RGB Percent	20%, 11%, 28%
CMY	0.7950, 0.8853, 0.7166
CMYK	0.28, 0.60, 0.00, 0.72
HSL	272°, 42%, 20%
HSV	272°, 60%, 28%
XYZ	3.0538, 2.0993, 6.4213
YIQ	40.7790, -0.0950, 18.2490

Conversions

Conversions Part 2

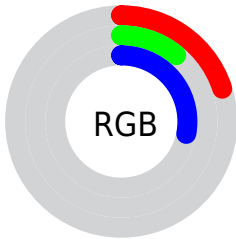
Format	Color
R_{YB}	52, 29, 72
Decimal	3415368
CIE _{Lab}	16.00, 21.02, -22.68
CIE _{LCh}	16, 30.922, 312.833
Yxy	2.0993, 0.2638, 0.1814
Android (android.graphics.Color)	4281605448 (0xFF341D48)
YUV	40.7790, 15.3920, 9.8408
Hunter-Lab	14.4890, 12.2662, -16.1342

Details

The CIELCh color **16, 30.922, 312.833** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **28, 28.779, 127.866**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 30.769, 312.633**, and **1, 15.345, 290.292** is the 20% darker color. If you saturate the color by 10%, you get **14, 35.953, 313.192**, and if you desaturate by 10%, it is **18, 25.682, 312.409**.

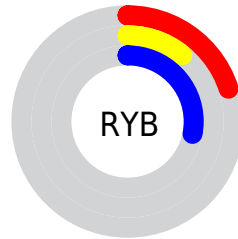
Distribution



Red (20%)

Green (11%)

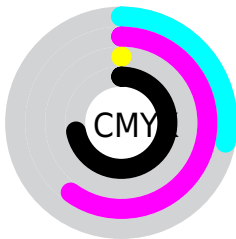
Blue (28%)



Red (20%)

Yellow (11%)

Blue (28%)

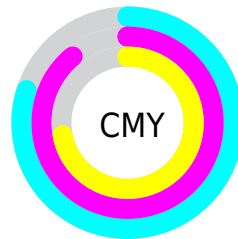


Cyan (28%)

Magenta (60%)

Yellow (0%)

Black (72%)



Cyan (80%)

Magenta (89%)

Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 30.922, 312.833 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, 30.922, 312.833 by changing the saturation by 10% instead.

■ 16, 30.922,
312.833

■ 16, 30.922,
312.833

■ 100, 30.922,
312.833

■ 6, 30.922, 312.833

■ 36, 30.922,
312.833

■ 0, 30.922, 312.833

■ 46, 30.922,
312.833

■ 56, 30.922,
312.833

■ 66, 30.922,
312.833

■ 76, 30.922,
312.833

■ 86, 30.922,

312.833

96, 30.922,
312.833

16, 30.922,
312.833

16, 30.922,
312.833

14, 35.953,
313.192

18, 25.682,
312.409

12, 40.577,
313.431

21, 20.372,
311.956

10, 44.629,
313.519

23, 15.082,
311.502

8, 49.146, 313.872

26, 9.867, 311.061

8, 49.381, 313.898

28, 4.759, 310.639

31, 0.225, 130.547

■ 33, 5.078, 129.929

■ 36, 9.798, 129.604

■ 38, 14.387,
129.315

Harmonies

Complementary

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



16, 30.922, 312.833



28, 28.779, 127.866

Rectangle

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



16, 30.922, 312.833



16, 30.922, 2.833



16, 30.922, 132.833



16, 30.922, 182.833

Sweetspot

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



16, 30.921, 312.833



34, 11.331, 311.025



20, 16.701, 269.414



16, 7.955, 311.097



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



16, 30.921, 312.833



19, 45.589, 313.312



19, 31.968, 328.175



13, 2.750, 310.600



14, 61.729, 313.390



37, 113.553, 312.575

Inverse Universe

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



18, 23.408, 351.758



22, 33.645, 354.262



27, 32.222, 140.836



13, 2.147, 346.180



20, 42.454, 2.433



49, 77.308, 6.053

Previews

White Background



This preview shows how the CIE LCh color 16, 30.922, 312.833 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, 30.922, 312.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

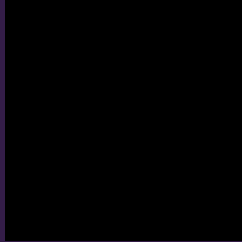
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 30.922, 312.833

Background



This preview shows how black text looks on a background with the CIELCh color 16, 30.922, 312.833.



This preview shows how white text looks on a background with the CIELCh color 16, 30.922, 312.833.

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, 30.922, 312.833

Protanopia

16, 30.377, 283.694

Deuteranopia

16, 21.018, 275.419



Tritanopia
16, 4.868, 355.201

Trichromacy



Original Color
16, 30.922, 312.833

Protanomaly
15, 30.226, 291.383

Deuteranomaly
16, 23.844, 290.638

Tritanomaly
16, 13.480, 320.745

Monochromacy



Original Color
16, 30.922, 312.833

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 11.151, 311.335

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 30.922, 312.833 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, 29, 72)` looks like.

```
.text, #text, p{  
    color:rgb(52, 29, 72)  
}
```

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, 29, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 29, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 30.922, 312.833 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, 29, 72) }
```

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

```
.border{ border-color:rgb(52, 29, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 29, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 29, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 29, 72);  
box-shadow:4px 4px 4px 4px rgb(52, 29, 72)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 30.922, 312.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 29, 72) }
```

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

```
.background{ background-color: rgb(52, 29,  
72) }
```

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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