

Converting Colors

CIELCh(17, 57.940, 311.621)

Have a look what the booklet for
CIELCh(17, 57.940, 311.621)
contains.

CIELCh(17, 57.881, 311.862)	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(17, 57.881, 311.862)

Conversions

Conversions Part 1

Format	Color
Hex	3A1069
RGB	58, 16, 105
RGB Percent	23%, 6%, 41%
CMY	0.7719, 0.9366, 0.5877
CMYK	0.45, 0.85, 0.00, 0.59
HSL	268°, 73%, 24%
HSV	268°, 85%, 41%
XYZ	4.4989, 2.3023, 13.6119
YIQ	38.7040, -3.5370, 36.5830

Conversions

Conversions Part 2

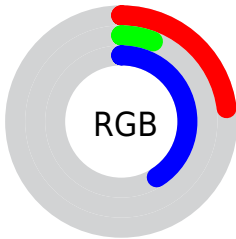
Format	Color
R_{YB}	58, 16, 105
Decimal	3805289
CIE _{Lab}	17.00, 38.63, -43.11
CIE _{LCh}	17, 57.881, 311.862
Yxy	2.3023, 0.2204, 0.1128
Android (android.graphics.Color)	4281995369 (0xFF3A1069)
YUV	38.7040, 32.6839, 16.9226
Hunter-Lab	15.1734, 26.3720, -42.5668

Details

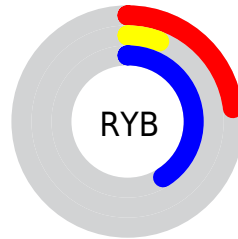
The CIELCh color **17, 57.881, 311.862** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 50.781, 125.498**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 57.491, 311.648**, and **3, 38.731, 300.740** is the 20% darker color. If you saturate the color by 10%, you get **15, 62.481, 311.803**, and if you desaturate by 10%, it is **20, 52.163, 311.687**.

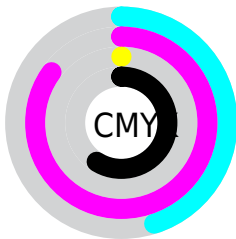
Distribution



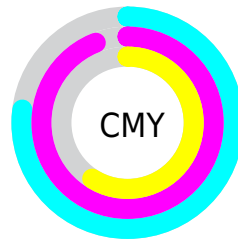
- Red (23%)
- Green (6%)
- Blue (41%)



- Red (23%)
- Yellow (6%)
- Blue (41%)



- Cyan (45%)
- Magenta (85%)
- Yellow (0%)
- Black (59%)



- Cyan (77%)
- Magenta (94%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 57.881, 311.862 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 17, 57.881, 311.862 by changing the saturation by 10% instead.

■ 17, 57.881,
311.862

■ 17, 57.881,
311.862

■ 100, 57.881,
311.862

■ 7, 57.881, 311.862

■ 37, 57.881,
311.862

■ 0, 57.881, 311.862

■ 47, 57.881,
311.862


■ 57, 57.881,
311.862

■ 67, 57.881,
311.862

■ 77, 57.881,
311.862


■ 87, 57.881,


311.862


 97, 57.881,
311.862


 17, 57.881,
311.862


 17, 57.881,
311.862


 15, 62.481,
311.803


 20, 52.163,
311.687

 14, 65.071,
311.869

 22, 45.585,
311.312

 26, 38.538,
310.826

 29, 31.304,
310.290

 32, 24.059,
309.746

■ 36, 16.909,
309.219

■ 39, 9.913, 308.724

■ 43, 3.099, 308.257

■ 46, 3.519, 127.889

Harmonies

Complementary

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



17, 57.881, 311.862



40, 50.781, 125.498

Rectangle

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



17, 57.881, 311.862



17, 57.881, 1.862



17, 57.881, 131.862



17, 57.881, 181.862

Sweetspot

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



17, 57.881, 311.863



46, 21.440, 309.275



26, 28.679, 271.674



22, 14.564, 309.406



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



17, 57.881, 311.863



20, 79.182, 311.548



24, 56.215, 326.868



20, 3.834, 308.459



16, 70.420, 311.729



38, 121.956, 311.082

Inverse Universe

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



23, 41.884, 353.035



29, 54.060, 358.332



38, 57.425, 136.801



21, 3.163, 342.806



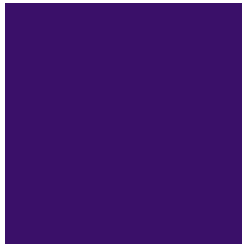
24, 48.264, 357.662



53, 82.476, 0.138

Previews

White Background



This preview shows how the CIELCh color 17, 57.881, 311.862 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 17, 57.881, 311.862 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

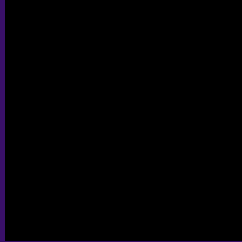
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 57.881, 311.862

Background



This preview shows how black text looks on a background with the CIELCh color 17, 57.881, 311.862.



This preview shows how white text looks on a background with the CIELCh color 17, 57.881, 311.862.

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

17, 57.881, 311.862

Protanopia

17, 32.899, 283.154

Deuteranopia

17, 23.144, 268.064



Tritanopia
18, 2.137, 303.329

Trichromacy



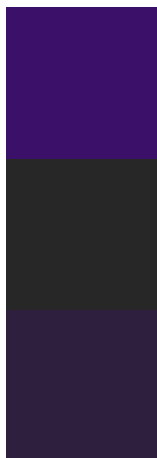
Original Color
17, 57.881, 311.862

Protanomaly
16, 42.947, 296.575

Deuteranomaly
16, 36.249, 293.422

Tritanomaly
16, 25.189, 310.029

Monochromacy



Original Color
17, 57.881, 311.862

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 23.325, 310.322

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 57.881, 311.862 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(58, 16, 105)` looks like.

```
.text, #text, p{  
    color:rgb(58, 16, 105)  
}
```

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(58, 16, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 16, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 57.881, 311.862 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(58, 16, 105) }
```

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

```
.border{ border-color:rgb(58, 16, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 16, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 16, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 16, 105);  
box-shadow:4px 4px 4px 4px rgb(58, 16,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 57.881, 311.862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 16, 105) }
```

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

```
.background{ background-color: rgb(58, 16,  
105) }
```

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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