

Converting Colors

CIELCh(17, 73.052, 311.101)

Have a look what the booklet for
CIELCh(17, 73.052, 311.101)
contains.

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Color

CIELCh(17, 73.299, 311.138)

Conversions

Conversions Part 1

Format	Color
Hex	38017C
RGB	56, 1, 124
RGB Percent	22%, 0%, 49%
CMY	0.7812, 0.9969, 0.5145
CMYK	0.55, 0.99, 0.00, 0.51
HSL	267°, 99%, 24%
HSV	267°, 99%, 49%
XYZ	5.2536, 2.3023, 19.1729
YIQ	31.4670, -6.7030, 49.9130

Conversions

Conversions Part 2

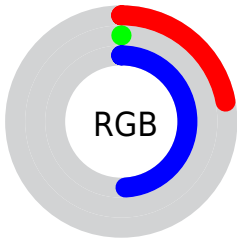
Format	Color
R_{YB}	56, 1, 124
Decimal	3670396
CIE _{Lab}	17.00, 48.22, -55.20
CIE _{LCh}	17, 73.299, 311.138
Yxy	2.3023, 0.1966, 0.0861
Android (android.graphics.Color)	4281860476 (0xFF38017C)
YUV	31.4670, 45.6188, 21.5154
Hunter-Lab	15.1734, 35.2502, -64.2963

Details

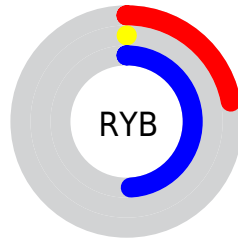
The CIELCh color **17, 73.299, 311.138** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **46, 62.269, 125.581**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 73.444, 311.109**, and **4, 51.999, 304.382** is the 20% darker color. If you saturate the color by 10%, you get **17, 73.622, 311.144**, and if you desaturate by 10%, it is **19, 68.607, 311.246**.

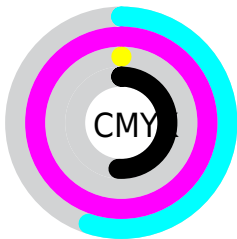
Distribution



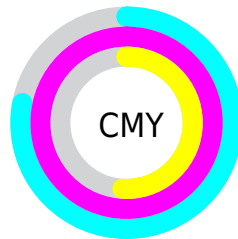
- Red (22%)
- Green (0%)
- Blue (49%)



- Red (22%)
- Yellow (0%)
- Blue (49%)



- Cyan (55%)
- Magenta (99%)
- Yellow (0%)
- Black (51%)



- Cyan (78%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 73.299, 311.138 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, 73.299, 311.138 by changing the saturation by 10% instead.

■ 17, 73.299,
311.138

■ 17, 73.299,
311.138

■ 100, 73.299,
311.138

■ 7, 73.299, 311.138

■ 37, 73.299,
311.138

■ 0, 73.299, 311.138

■ 47, 73.299,
311.138


■ 57, 73.299,
311.138


■ 67, 73.299,
311.138

■ 77, 73.299,
311.138


■ 87, 73.299,

311.138


 97, 73.299,
311.138


 17, 73.299,
311.138

 17, 73.299,
311.138


 17, 73.622,
311.144

 19, 68.607,
311.246

 22, 62.837,
311.196

 25, 55.747,
310.874

 28, 47.884,
310.388

 32, 39.661,
309.823

■ 36, 31.349,
309.235

■ 40, 23.109,
308.659

■ 44, 15.033,
308.115

■ 48, 7.164, 307.612

Harmonies

Complementary

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



17, 73.299, 311.138



46, 62.269, 125.581

Rectangle

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



17, 73.299, 311.138



17, 73.299, 1.138



17, 73.299, 131.138



17, 73.299, 181.138

Sweetspot

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



17, 73.300, 311.139



51, 29.275, 308.736



29, 35.636, 274.604



24, 20.215, 308.935



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



17, 73.300, 311.139



23, 89.225, 310.879



27, 67.768, 325.715



24, 4.270, 307.597



17, 74.118, 311.133



39, 125.526, 310.549

Inverse Universe

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



26, 50.423, 355.538



35, 60.851, 356.643



45, 69.540, 135.615



24, 3.600, 341.544



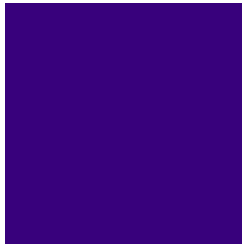
26, 50.854, 355.749



55, 84.957, 357.856

Previews

White Background



This preview shows how the CIELCh color 17, 73.299, 311.138 looks on a white background.

Color Contrast Check

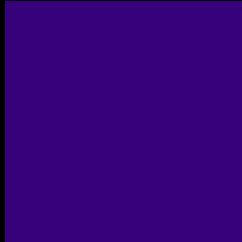
Large Text (above 18pt) WCAG AA ✓ Pass

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 17, 73.299, 311.138 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, 73.299, 311.138

Background



This preview shows how black text looks on a background with the CIELCh color 17, 73.299, 311.138.



This preview shows how white text looks on a background with the CIELCh color 17, 73.299, 311.138.

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

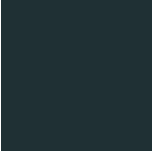
17, 73.299, 311.138

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.742, 268.006



Tritanopia
19, 7.474, 219.893

Trichromacy



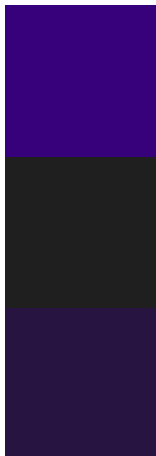
Original Color
17, 73.299, 311.138

Protanomaly
15, 52.240, 300.170

Deuteranomaly
15, 45.187, 298.061

Tritanomaly
15, 33.020, 303.078

Monochromacy



Original Color
17, 73.299, 311.138

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 32.758, 310.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 73.299, 311.138 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(56, 1, 124)` looks like.

```
.text, #text, p{  
    color:rgb(56, 1, 124)  
}
```

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(56, 1, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 1, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 73.299, 311.138 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(56, 1, 124) }
```

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

```
.border{ border-color:rgb(56, 1, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 1, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 1, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 1, 124);  
box-shadow:4px 4px 4px 4px rgb(56, 1, 124)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 73.299, 311.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 1, 124) }
```

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

```
.background{ background-color: rgb(56, 1,  
124) }
```

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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