

Converting Colors

CIELCh(17, 67.863, 304.438)

Have a look what the booklet for
CIELCh(17, 67.863, 304.438)
contains.

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Color

CIELCh(17, 67.799, 304.398)

Conversions

Conversions Part 1

Format	Color
Hex	1D167D
RGB	29, 22, 125
RGB Percent	11%, 9%, 49%
CMY	0.8872, 0.9143, 0.5105
CMYK	0.77, 0.82, 0.00, 0.51
HSL	244°, 70%, 29%
HSV	244°, 82%, 49%
XYZ	4.4748, 2.3023, 19.5549
YIQ	35.8350, -28.8910, 33.5170

Conversions

Conversions Part 2

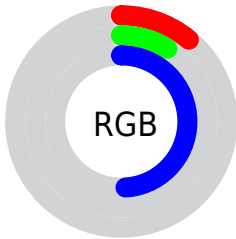
Format	Color
R_{YB}	29, 22, 125
Decimal	1906301
CIE _{Lab}	17.00, 38.30, -55.94
CIE _{LCh}	17, 67.799, 304.398
Yxy	2.3023, 0.1699, 0.0874
Android (android.graphics.Color)	4280096381 (0xFF1D167D)
YUV	35.8350, 43.9583, -5.9943
Hunter-Lab	15.1734, 26.0881, -65.7893

Details

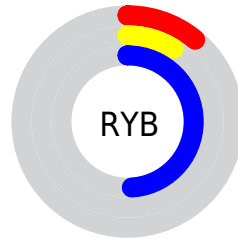
The CIELCh color **17, 67.799, 304.398** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **50, 52.469, 107.002**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 67.765, 304.344**, and **5, 52.715, 304.559** is the 20% darker color. If you saturate the color by 10%, you get **14, 74.196, 305.660**, and if you desaturate by 10%, it is **20, 59.738, 302.747**.

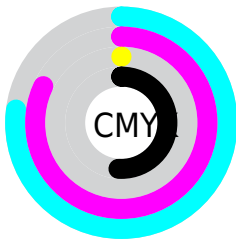
Distribution



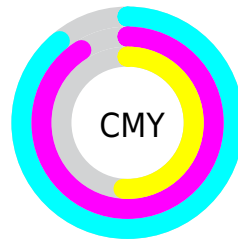
- Red (11%)
- Green (9%)
- Blue (49%)



- Red (11%)
- Yellow (9%)
- Blue (49%)



- Cyan (77%)
- Magenta (82%)
- Yellow (0%)
- Black (51%)



- Cyan (89%)
- Magenta (91%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 67.799, 304.398 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, 67.799, 304.398 by changing the saturation by 10% instead.

■ 17, 67.799,
304.398

■ 17, 67.799,
304.398

■ 100, 67.799,
304.398

■ 7, 67.799, 304.398

■ 37, 67.799,
304.398

■ 0, 67.799, 304.398

■ 47, 67.799,
304.398


■ 57, 67.799,
304.398


■ 67, 67.799,
304.398

■ 77, 67.799,
304.398

■ 87, 67.799,


304.398


 97, 67.799,
304.398


 17, 67.799,
304.398


 17, 67.799,
304.398


 14, 74.196,
305.660


 20, 59.738,
302.747

 13, 78.435,
306.603

 24, 50.982,
300.961

 29, 42.127,
299.223

 33, 33.456,
297.630

 38, 25.077,
296.219

■ 42, 17.017,
294.990

■ 47, 9.270, 293.932

■ 51, 1.820, 293.034

■ 56, 5.354, 112.234

Harmonies

Complementary

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



17, 67.799, 304.398



50, 52.469, 107.002

Rectangle

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



17, 67.799, 304.398



17, 67.799, 354.398



17, 67.799, 124.398



17, 67.799, 174.398

Sweetspot

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



17, 67.800, 304.399



53, 23.695, 295.354



45, 26.001, 205.912



25, 16.176, 295.704



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, 67.800, 304.399



19, 94.935, 306.416



23, 64.454, 314.343



23, 4.086, 293.604



13, 78.488, 306.602



32, 132.485, 306.432

Inverse Universe

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



30, 60.482, 330.397



38, 78.390, 331.030



47, 58.764, 128.639



24, 4.710, 326.759



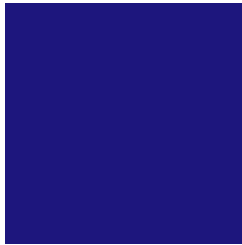
28, 64.755, 330.991



59, 108.709, 331.150

Previews

White Background



This preview shows how the CIE LCh color 17, 67.799, 304.398 looks on a white background.

Color Contrast Check

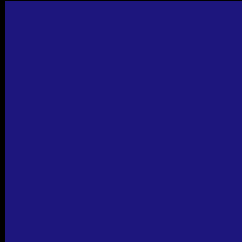
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.799, 304.398 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

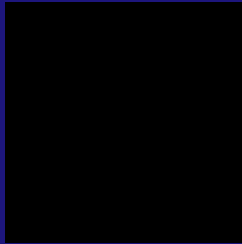
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 67.799, 304.398

Background



This preview shows how black text looks on a background with the CIELCh color 17, 67.799, 304.398.



This preview shows how white text looks on a background with the CIELCh color 17, 67.799, 304.398.

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, 67.799, 304.398

Protanopia

17, 31.637, 281.954

Deuteranopia

17, 22.564, 267.482



Tritanopia
17, 15.176, 201.825

Trichromacy



Original Color
17, 67.799, 304.398

Protanomaly
17, 45.504, 294.805

Deuteranomaly
16, 38.980, 291.692

Tritanomaly
15, 27.741, 282.833

Monochromacy



Original Color
17, 67.799, 304.398

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 26.316, 298.496

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 67.799, 304.398 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(29, 22, 125)` looks like.

```
.text, #text, p{  
    color:rgb(29, 22, 125)  
}
```

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(29, 22, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 22, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 67.799, 304.398 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(29, 22, 125) }
```

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

```
.border{ border-color:rgb(29, 22, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 22, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 22, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 22, 125);  
box-shadow:4px 4px 4px 4px rgb(29, 22,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 67.799, 304.398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 22, 125) }
```

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

```
.background{ background-color: rgb(29, 22,  
125) }
```

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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