

Converting Colors

CIELCh(17, 75.767, 309.762)

Have a look what the booklet for
CIELCh(17, 75.767, 309.762)
contains.

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Color

CIELCh(17, 76.113, 309.769)

Conversions

Conversions Part 1

Format	Color
Hex	320281
RGB	50, 2, 129
RGB Percent	20%, 1%, 51%
CMY	0.8041, 0.9924, 0.4943
CMYK	0.61, 0.98, 0.00, 0.49
HSL	263°, 97%, 26%
HSV	263°, 98%, 51%
XYZ	5.2924, 2.3023, 20.9160
YIQ	30.8300, -12.1590, 49.6730

Conversions

Conversions Part 2

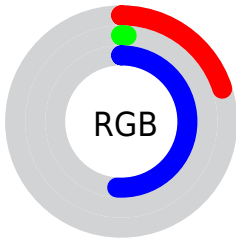
Format	Color
R_{YB}	50, 2, 129
Decimal	3277441
CIE _{Lab}	17.00, 48.69, -58.50
CIE _{LCh}	17, 76.113, 309.769
Yxy	2.3023, 0.1856, 0.0808
Android (android.graphics.Color)	4281467521 (0xFF320281)
YUV	30.8300, 48.3978, 16.8121
Hunter-Lab	15.1734, 35.7063, -71.1077

Details

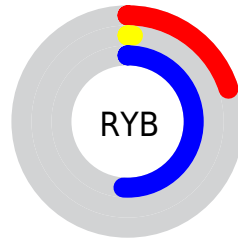
The CIELCh color **17, 76.113, 309.769** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **49, 62.494, 122.851**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 76.149, 309.836**, and **5, 54.803, 305.025** is the 20% darker color. If you saturate the color by 10%, you get **17, 76.910, 309.802**, and if you desaturate by 10%, it is **19, 71.097, 309.756**.

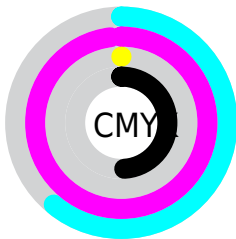
Distribution



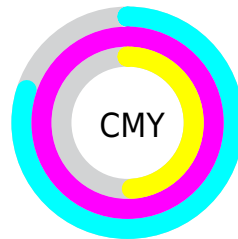
- Red (20%)
- Green (1%)
- Blue (51%)



- Red (20%)
- Yellow (1%)
- Blue (51%)



- Cyan (61%)
- Magenta (98%)
- Yellow (0%)
- Black (49%)





- Cyan (80%)
- Magenta (99%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 17, 76.113, 309.769 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, 76.113, 309.769 by changing the saturation by 10% instead.

 17, 76.113,
309.769


 17, 76.113,
309.769


 100, 76.113,
309.769


 7, 76.113, 309.769


 37, 76.113,
309.769

 0, 76.113, 309.769

 47, 76.113,
309.769


 57, 76.113,
309.769


 67, 76.113,
309.769


 77, 76.113,
309.769


 87, 76.113,


309.769


 97, 76.113,
309.769


 17, 76.113,
309.769


 17, 76.113,
309.769


 17, 76.910,
309.802

 19, 71.097,
309.756

 22, 64.724,
309.518

 26, 57.054,
309.011

 29, 48.694,
308.359

 33, 40.070,
307.653

■ 38, 31.441,
306.951

■ 42, 22.951,
306.284

■ 46, 14.671,
305.669

■ 50, 6.635, 305.111

Harmonies

Complementary

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



17, 76.113, 309.769



49, 62.494, 122.851

Rectangle

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



17, 76.113, 309.769



17, 76.113, 359.769



17, 76.113, 129.769



17, 76.113, 179.769

Sweetspot

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



17, 76.114, 309.770



53, 30.137, 306.427



33, 32.191, 265.134



25, 20.568, 306.660



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



17, 76.114, 309.770



23, 93.689, 309.557



27, 69.963, 323.281



25, 4.365, 305.143



16, 76.276, 309.814



0, 0.000, 0.000

Inverse Universe

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



28, 53.343, 349.763



37, 64.768, 350.807



47, 70.881, 135.151



25, 3.911, 338.221



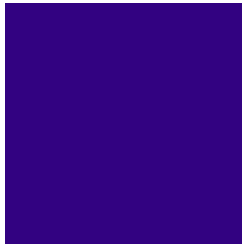
27, 53.130, 350.061



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 17, 76.113, 309.769 looks on a white background.

Color Contrast Check

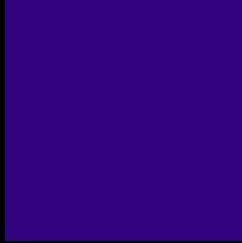
Large Text (above 18pt) WCAG AA ✓ Pass

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, 76.113, 309.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

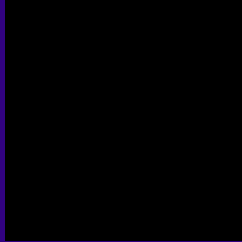
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 76.113, 309.769

Background



This preview shows how black text looks on a background with the CIELCh color 17, 76.113, 309.769.



This preview shows how white text looks on a background with the CIELCh color 17, 76.113, 309.769.

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, 76.113, 309.769

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.375, 207.094

Trichromacy



Original Color
17, 76.113, 309.769

Protanomaly
16, 52.205, 299.571

Deuteranomaly
15, 45.769, 297.468

Tritanomaly
14, 33.847, 292.369

Monochromacy



Original Color
17, 76.113, 309.769

Achromatopsia
12, 0.003, 296.813

Achromatomaly
11, 34.038, 308.886

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 76.113, 309.769 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(50, 2, 129)` looks like.

```
.text, #text, p{  
    color:rgb(50, 2, 129)  
}
```

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(50, 2, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 2, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 76.113, 309.769 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(50, 2, 129) }
```

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

```
.border{ border-color:rgb(50, 2, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 2, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 2, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 2, 129);  
box-shadow:4px 4px 4px 4px rgb(50, 2, 129)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 76.113, 309.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 2, 129) }
```

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

```
.background{ background-color: rgb(50, 2,  
129) }
```

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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