

Converting Colors

CIELCh(17, 67.007, 309.561)

Have a look what the booklet for
CIELCh(17, 67.007, 309.561)
contains.

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Color

CIELCh(17, 67.074, 309.557)

Conversions

Conversions Part 1

Format	Color
Hex	330C76
RGB	51, 12, 118
RGB Percent	20%, 5%, 46%
CMY	0.7985, 0.9514, 0.5359
CMYK	0.57, 0.90, 0.00, 0.54
HSL	262°, 81%, 26%
HSV	262°, 90%, 46%
XYZ	4.8111, 2.3023, 17.4373
YIQ	35.7450, -10.7820, 41.2340

Conversions

Conversions Part 2

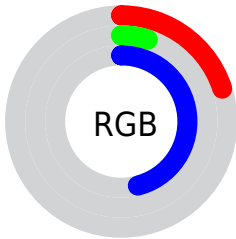
Format	Color
R _Y B	51, 12, 118
Decimal	3345526
CIE Lab	17.00, 42.72, -51.71
CIE LCh	17, 67.074, 309.557
Yxy	2.3023, 0.1960, 0.0938
Android (android.graphics.Color)	4281535606 (0xFF330C76)
YUV	35.7450, 40.5517, 13.3786
Hunter-Lab	15.1734, 30.0438, -57.5147

Details

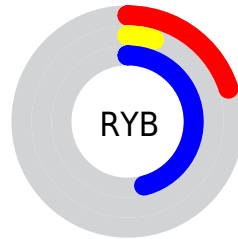
The CIELCh color **17, 67.074, 309.557** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 55.772, 121.753**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 66.902, 309.509**, and **4, 47.507, 303.049** is the 20% darker color. If you saturate the color by 10%, you get **15, 72.118, 309.709**, and if you desaturate by 10%, it is **20, 61.139, 309.305**.

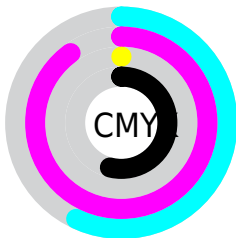
Distribution



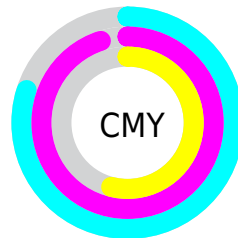
- Red (20%)
- Green (5%)
- Blue (46%)



- Red (20%)
- Yellow (5%)
- Blue (46%)



- Cyan (57%)
- Magenta (90%)
- Yellow (0%)
- Black (54%)





- Cyan (80%)
- Magenta (95%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 67.074, 309.557 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, 67.074, 309.557 by changing the saturation by 10% instead.

 17, 67.074,
309.557


 17, 67.074,
309.557


 100, 67.074,
309.557


 7, 67.074, 309.557


 37, 67.074,
309.557

 0, 67.074, 309.557

 47, 67.074,
309.557


 57, 67.074,
309.557


 67, 67.074,
309.557


 77, 67.074,
309.557


 87, 67.074,


309.557


 97, 67.074,
309.557


 17, 67.074,
309.557


 17, 67.074,
309.557


 15, 72.118,
309.709


 20, 61.139,
309.305

 15, 72.374,
309.727

 23, 53.989,
308.782

 26, 46.191,
308.115

 30, 38.145,
307.395

 34, 30.092,
306.678

■ 38, 22.168,
305.999

■ 42, 14.440,
305.373

■ 46, 6.938, 304.806

■ 50, 0.328, 124.461

Harmonies

Complementary

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



17, 67.074, 309.557



45, 55.772, 121.753

Rectangle

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



17, 67.074, 309.557



17, 67.074, 359.557



17, 67.074, 129.557



17, 67.074, 179.557

Sweetspot

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



17, 67.074, 309.558



50, 24.942, 305.878



32, 28.035, 260.704



24, 16.771, 306.046



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



17, 67.074, 309.558



21, 87.432, 309.471



25, 63.248, 323.457



22, 4.064, 304.778



15, 74.175, 309.690



36, 126.588, 309.132

Inverse Universe

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



26, 49.165, 346.910



33, 60.774, 349.765



43, 63.729, 135.327



23, 3.672, 337.760



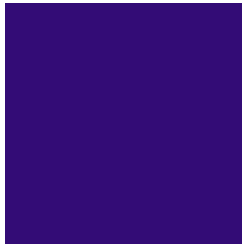
26, 51.897, 349.158



55, 87.088, 350.772

Previews

White Background



This preview shows how the CIELCh color 17, 67.074, 309.557 looks on a white background.

Color Contrast Check

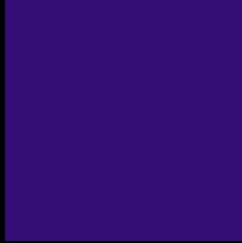
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.074, 309.557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

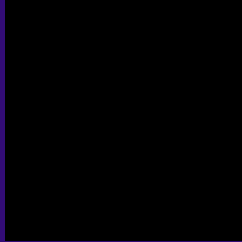
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 67.074, 309.557

Background



This preview shows how black text looks on a background with the CIELCh color 17, 67.074, 309.557.



This preview shows how white text looks on a background with the CIELCh color 17, 67.074, 309.557.

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, 67.074, 309.557

Deuteranopia

17, 23.144, 268.064

Tritanopia

18, 8.793, 216.327

Trichromacy

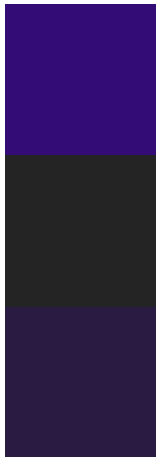


Original Color
17, 67.074, 309.557

Deuteranomaly
15, 40.406, 295.311

Tritanomaly
16, 28.750, 297.913

Monochromacy



Original Color
17, 67.074, 309.557

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 28.208, 308.244

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 67.074, 309.557 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(51, 12, 118)` looks like.

```
.text, #text, p{  
    color:rgb(51, 12, 118)  
}
```

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(51, 12, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 12, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 67.074, 309.557 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(51, 12, 118) }
```

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

```
.border{ border-color:rgb(51, 12, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 12, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 12, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 12, 118);  
box-shadow:4px 4px 4px 4px rgb(51, 12,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 67.074, 309.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 12, 118) }
```

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

```
.background{ background-color: rgb(51, 12,  
118) }
```

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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