

Converting Colors

CIELCh(17, 82.103, 308.347)

Have a look what the booklet for
CIELCh(17, 82.103, 308.347)
contains.

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Color

CIELCh(17, 81.830, 308.310)

Conversions

Conversions Part 1

Format	Color
Hex	28018A
RGB	40, 1, 138
RGB Percent	16%, 0%, 54%
CMY	0.8435, 0.9964, 0.4591
CMYK	0.71, 0.99, 0.00, 0.46
HSL	257°, 99%, 27%
HSV	257°, 99%, 54%
XYZ	5.4638, 2.3023, 24.1750
YIQ	28.2790, -20.7330, 50.8750

Conversions

Conversions Part 2

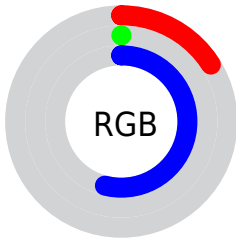
Format	Color
R_{YB}	40, 1, 138
Decimal	2621834
CIE _{Lab}	17.00, 50.73, -64.21
CIE _{LCh}	17, 81.830, 308.310
Yxy	2.3023, 0.1711, 0.0721
Android (android.graphics.Color)	4280811914 (0xFF28018A)
YUV	28.2790, 54.0925, 10.2793
Hunter-Lab	15.1734, 37.7221, -83.8421

Details

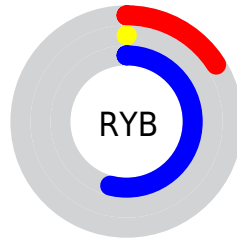
The CIELCh color **17, 81.830, 308.310** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **53, 64.104, 118.750**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 82.120, 308.268**, and **6, 59.932, 305.864** is the 20% darker color. If you saturate the color by 10%, you get **17, 82.208, 308.342**, and if you desaturate by 10%, it is **19, 76.473, 308.059**.

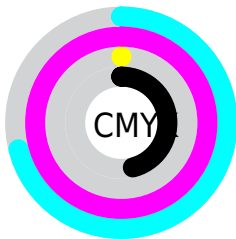
Distribution



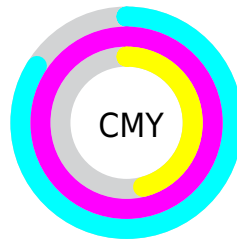
- Red (16%)
- Green (0%)
- Blue (54%)



- Red (16%)
- Yellow (0%)
- Blue (54%)



- Cyan (71%)
- Magenta (99%)
- Yellow (0%)
- Black (46%)



- Cyan (84%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 81.830, 308.310 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, 81.830, 308.310 by changing the saturation by 10% instead.

■ 17, 81.830,
308.310

■ 17, 81.830,
308.310

■ 100, 81.830,
308.310

■ 7, 81.830, 308.310

■ 37, 81.830,
308.310

■ 0, 81.830, 308.310

■ 47, 81.830,
308.310


■ 57, 81.830,
308.310


■ 67, 81.830,
308.310


■ 77, 81.830,
308.310


■ 87, 81.830,


308.310


 97, 81.830,
308.310


 17, 81.830,
308.310


 17, 81.830,
308.310


 17, 82.208,
308.342

 19, 76.473,
308.059

 22, 69.577,
307.573

 26, 61.229,
306.793

 30, 52.178,
305.875

 35, 42.918,
304.931

■ 39, 33.728,
304.024

■ 44, 24.745,
303.187

■ 48, 16.031,
302.433

■ 53, 7.606, 301.763

Harmonies

Complementary

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



17, 81.830, 308.310



53, 64.104, 118.750

Rectangle

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



17, 81.830, 308.310



17, 81.830, 358.310



17, 81.830, 128.310



17, 81.830, 178.310

Sweetspot

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



17, 81.831, 308.311



56, 31.312, 303.293



39, 29.843, 251.366



26, 21.408, 303.591



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



17, 81.831, 308.311



23, 99.592, 308.152



27, 74.494, 320.320



27, 4.593, 301.752



16, 79.857, 308.376



0, 2.101, 301.216

Inverse Universe

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



30, 59.214, 343.180



40, 71.377, 343.707



50, 73.814, 134.203



27, 4.458, 334.227



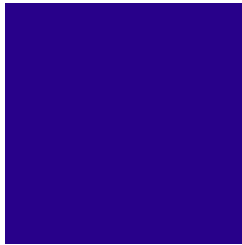
29, 57.669, 343.210



0, 2.055, 333.665

Previews

White Background



This preview shows how the CIELCh color 17, 81.830, 308.310 looks on a white background.

Color Contrast Check

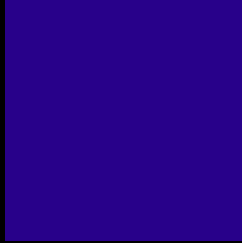
Large Text (above 18pt) WCAG AA ✓ Pass

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, 81.830, 308.310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

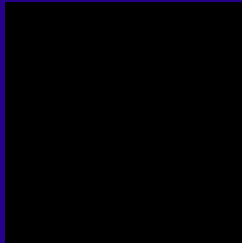
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 81.830, 308.310

Background



This preview shows how black text looks on a background with the CIELCh color 17, 81.830, 308.310.



This preview shows how white text looks on a background with the CIELCh color 17, 81.830, 308.310.

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, 81.830, 308.310

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.459, 204.355

Trichromacy



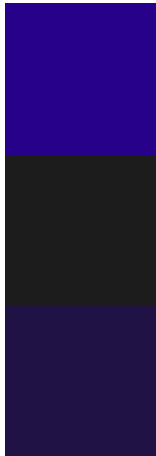
Original Color
17, 81.830, 308.310

Protanomaly
16, 55.408, 300.076

Deuteranomaly
15, 48.460, 298.001

Tritanomaly
14, 36.655, 293.284

Monochromacy



Original Color
17, 81.830, 308.310

Achromatopsia
10, 0.003, 296.813

Achromatomaly
10, 36.217, 306.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 81.830, 308.310 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(40, 1, 138)` looks like.

```
.text, #text, p{  
    color:rgb(40, 1, 138)  
}
```

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(40, 1, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 1, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 81.830, 308.310 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(40, 1, 138) }
```

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

```
.border{ border-color:rgb(40, 1, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 1, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 1, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 1, 138);  
box-shadow:4px 4px 4px 4px rgb(40, 1, 138)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 81.830, 308.310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 1, 138) }
```

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

```
.background{ background-color: rgb(40, 1,  
138) }
```

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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