

Converting Colors

CIELCh(17, 88.414, 306.805)

Have a look what the booklet for
CIELCh(17, 88.414, 306.805)
contains.

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Color

CIELCh(17, 88.401, 306.846)

Conversions

Conversions Part 1

Format	Color
Hex	140094
RGB	20, 0, 148
RGB Percent	8%, 0%, 58%
CMY	0.9222, 0.9988, 0.4183
CMYK	0.87, 1.00, 0.00, 0.42
HSL	248°, 100%, 29%
HSV	248°, 100%, 58%
XYZ	5.6600, 2.3023, 28.3025
YIQ	22.8520, -35.5880, 50.2680

Conversions

Conversions Part 2

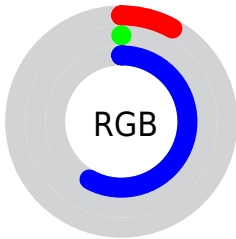
Format	Color
RYB	20, 0, 148
Decimal	1310868
CIELab	17.00, 53.01, -70.74
CIELCh	17, 88.401, 306.846
Yxy	2.3023, 0.1561, 0.0635
Android (android.graphics.Color)	4279500948 (0xFF140094)
YUV	22.8520, 61.6980, -2.5012
Hunter-Lab	15.1734, 40.0309, -99.9703

Details

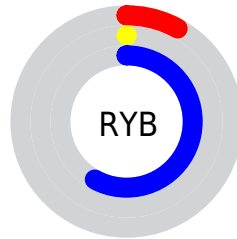
The CIELCh color **17, 88.401, 306.846** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **58, 65.407, 110.707**, and the grayscale version is **7, 0.002, 296.812**.

A 20% lighter version of the original color is **37, 88.653, 306.944**, and **8, 65.420, 306.275** is the 20% darker color. If you saturate the color by 10%, you get **17, 88.519, 306.867**, and if you desaturate by 10%, it is **19, 82.830, 306.103**.

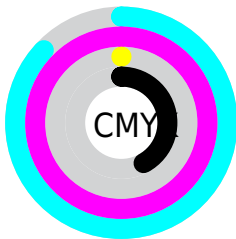
Distribution



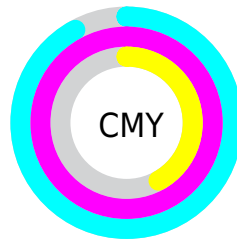
- Red (8%)
- Green (0%)
- Blue (58%)



- Red (8%)
- Yellow (0%)
- Blue (58%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



- Cyan (92%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 88.401, 306.846 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, 88.401, 306.846 by changing the saturation by 10% instead.

■ 17, 88.401,
306.846

■ 17, 88.401,
306.846

■ 100, 88.401,
306.846

■ 7, 88.401, 306.846

■ 37, 88.401,
306.846

■ 0, 88.401, 306.846

■ 47, 88.401,
306.846

■ 57, 88.401,
306.846

■ 67, 88.401,
306.846

■ 77, 88.401,
306.846


■ 87, 88.401,


306.846


 97, 88.401,
306.846

 17, 88.401,
306.846


 17, 88.401,
306.846


 17, 88.519,
306.867

 19, 82.830,
306.103

 22, 75.242,
305.044

 27, 65.947,
303.644

 31, 55.955,
302.132

 36, 45.871,
300.659

■ 41, 35.990,
299.303

■ 46, 26.427,
298.096

■ 51, 17.217,
297.041

■ 56, 8.359, 296.127

Harmonies

Complementary

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



17, 88.401, 306.846



58, 65.407, 110.707

Rectangle

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



17, 88.401, 306.846



17, 88.401, 356.846



17, 88.401, 126.846



17, 88.401, 176.846

Sweetspot

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



17, 88.403, 306.847



59, 33.144, 298.190



50, 29.494, 217.147



28, 22.715, 298.636



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



17, 88.403, 306.847



24, 108.023, 306.762



25, 81.080, 315.065



29, 4.804, 296.077



15, 83.803, 306.903



0, 4.135, 295.352

Inverse Universe

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



34, 69.677, 334.157



45, 84.753, 334.311



54, 75.153, 131.112



29, 5.273, 328.761



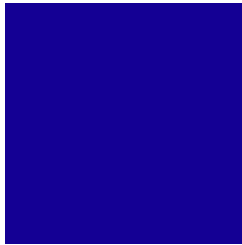
31, 66.075, 334.125



1, 4.585, 328.258

Previews

White Background



This preview shows how the CIELCh color 17, 88.401, 306.846 looks on a white background.

Color Contrast Check

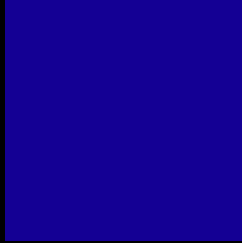
Large Text (above 18pt) WCAG AA ✓ Pass

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, 88.401, 306.846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

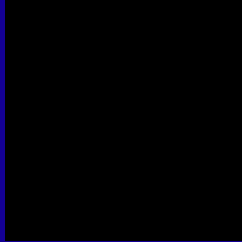
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 88.401, 306.846

Background



This preview shows how black text looks on a background with the CIELCh color 17, 88.401, 306.846.



This preview shows how white text looks on a background with the CIELCh color 17, 88.401, 306.846.

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, 88.344, 306.888

Protanopia

18, 33.410, 282.772

Deuteranopia

18, 23.190, 266.823



Tritanopia
18, 15.773, 201.569

Trichromacy



Original Color
17, 88.344, 306.888

Protanomaly
16, 57.377, 299.721

Deuteranomaly
15, 51.104, 297.739

Tritanomaly
15, 38.672, 292.187

Monochromacy



Original Color
17, 88.344, 306.888

Achromatopsia
8, 0.002, 296.812

Achromatomaly
8, 39.363, 303.810

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 88.401, 306.846 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(20, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(20, 0, 148)  
}
```

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(20, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 0, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 88.401, 306.846 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(20, 0, 148) }
```

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

```
.border{ border-color:rgb(20, 0, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 0, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(20, 0, 148)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 88.401, 306.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 0, 148) }
```

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

```
.background{ background-color: rgb(20, 0,  
148) }
```

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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