

Converting Colors

CIELCh(17, 69.700, 303.566)

Have a look what the booklet for
CIELCh(17, 69.700, 303.566)
contains.

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Color

CIELCh(17, 69.845, 303.647)

Conversions

Conversions Part 1

Format	Color
Hex	151680
RGB	21, 22, 128
RGB Percent	8%, 9%, 50%
CMY	0.9195, 0.9128, 0.4970
CMYK	0.84, 0.83, 0.00, 0.50
HSL	239°, 72%, 29%
HSV	239°, 84%, 50%
XYZ	4.5044, 2.3023, 20.7214
YIQ	33.7850, -34.6220, 32.7540

Conversions

Conversions Part 2

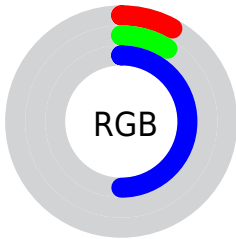
Format	Color
R_{YB}	21, 22, 128
Decimal	1382016
CIE _{Lab}	17.00, 38.70, -58.14
CIE _{LCh}	17, 69.845, 303.647
Yxy	2.3023, 0.1636, 0.0836
Android (android.graphics.Color)	4279572096 (0xFF151680)
YUV	33.7850, 46.4480, -11.2124
Hunter-Lab	15.1734, 26.4362, -70.3472

Details

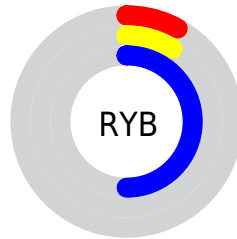
The CIELCh color **17, 69.845, 303.647** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **52, 53.390, 102.502**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 69.488, 303.692**, and **5, 54.117, 304.880** is the 20% darker color. If you saturate the color by 10%, you get **15, 76.215, 305.219**, and if you desaturate by 10%, it is **20, 61.663, 301.617**.

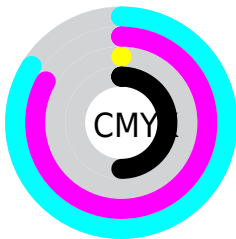
Distribution



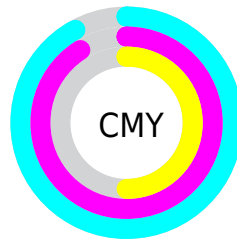
- Red (8%)
- Green (9%)
- Blue (50%)



- Red (8%)
- Yellow (9%)
- Blue (50%)



- Cyan (84%)
- Magenta (83%)
- Yellow (0%)
- Black (50%)



- Cyan (92%)
- Magenta (91%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 69.845, 303.647 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, 69.845, 303.647 by changing the saturation by 10% instead.

■ 17, 69.845,
303.647

■ 17, 69.845,
303.647

■ 100, 69.845,
303.647

■ 7, 69.845, 303.647

■ 37, 69.845,
303.647

■ 0, 69.845, 303.647

■ 47, 69.845,
303.647


■ 57, 69.845,
303.647


■ 67, 69.845,
303.647

■ 77, 69.845,
303.647


■ 87, 69.845,


303.647


 97, 69.845,
303.647


 17, 69.845,
303.647


 17, 69.845,
303.647


 15, 76.215,
305.219


 20, 61.663,
301.617

 13, 79.541,
305.995

 24, 52.735,
299.433

 29, 43.719,
297.321

 33, 34.918,
295.398

 38, 26.434,
293.707

■ 43, 18.285,
292.248

■ 47, 10.459,
291.001

■ 52, 2.932, 289.948

■ 56, 4.316, 109.008

Harmonies

Complementary

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



17, 69.845, 303.647



52, 53.390, 102.502

Rectangle

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



17, 69.845, 303.647



17, 69.845, 353.647



17, 69.845, 123.647



17, 69.845, 173.647

Sweetspot

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



17, 69.846, 303.648



54, 23.570, 292.464



48, 29.089, 194.360



26, 16.303, 292.882



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, 69.846, 303.648



19, 96.170, 306.071



22, 67.298, 312.147



24, 4.154, 290.461



13, 79.191, 305.993



0, 0.000, 0.000

Inverse Universe

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



27, 53.037, 33.313



34, 74.909, 39.188



48, 59.228, 125.949



25, 2.950, 18.602



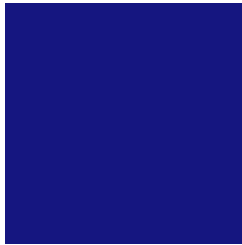
25, 60.635, 37.730



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 17, 69.845, 303.647 looks on a white background.

Color Contrast Check

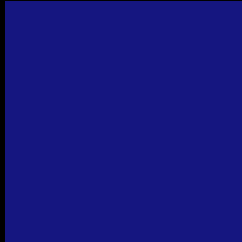
Large Text (above 18pt) WCAG AA ✓ Pass

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, 69.845, 303.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

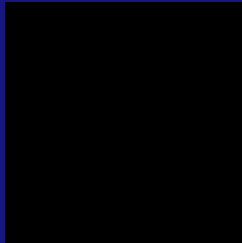
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 69.845, 303.647

Background



This preview shows how black text looks on a background with the CIELCh color 17, 69.845, 303.647.



This preview shows how white text looks on a background with the CIELCh color 17, 69.845, 303.647.

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, 69.805, 303.726

Protanopia

17, 31.637, 281.954

Deuteranopia

17, 22.564, 267.482



Tritanopia
17, 15.176, 201.825

Trichromacy



Original Color
17, 69.805, 303.726

Protanomaly
17, 46.183, 294.683

Deuteranomaly
16, 40.323, 291.862

Tritanomaly
16, 27.781, 281.380

Monochromacy



Original Color
17, 69.805, 303.726

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 27.121, 296.709

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 69.845, 303.647 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(21, 22, 128)` looks like.

```
.text, #text, p{  
    color:rgb(21, 22, 128)  
}
```

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(21, 22, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 22, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 69.845, 303.647 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(21, 22, 128) }
```

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

```
.border{ border-color:rgb(21, 22, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 22, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 22, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 22, 128);  
box-shadow:4px 4px 4px 4px rgb(21, 22,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 17, 69.845, 303.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 22, 128) }
```

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

```
.background{ background-color: rgb(21, 22,  
128) }
```

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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