

Converting Colors

CIELCh(17, 69.221, 301.658)

Have a look what the booklet for
CIELCh(17, 69.221, 301.658)
contains.

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Color

CIELCh(17, 69.221, 301.838)

Conversions

Conversions Part 1

Format	Color
Hex	011981
RGB	1, 25, 129
RGB Percent	0%, 10%, 51%
CMY	0.9968, 0.9011, 0.4930
CMYK	0.99, 0.80, 0.00, 0.49
HSL	229°, 99%, 26%
HSV	229°, 99%, 51%
XYZ	4.3433, 2.3023, 21.0815
YIQ	29.6800, -47.6880, 27.2560

Conversions

Conversions Part 2

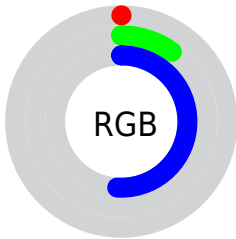
Format	Color
R_{YB}	1, 21, 129
Decimal	72065
CIE _{Lab}	17.00, 36.52, -58.81
CIE _{LCh}	17, 69.221, 301.838
Yxy	2.3023, 0.1566, 0.0830
Android (android.graphics.Color)	4278262145 (0xFF011981)
YUV	29.6800, 48.9648, -25.1524
Hunter-Lab	15.1734, 24.5405, -71.7542

Details

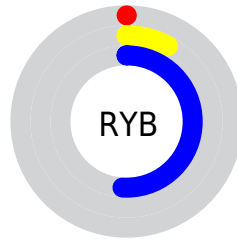
The CIELCh color **17, 69.221, 301.838** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **45, 51.841, 89.286**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 68.910, 301.831**, and **5, 54.803, 305.025** is the 20% darker color. If you saturate the color by 10%, you get **17, 69.632, 301.972**, and if you desaturate by 10%, it is **20, 62.215, 299.319**.

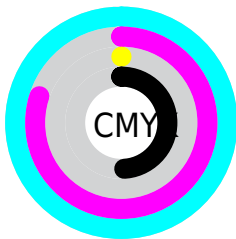
Distribution



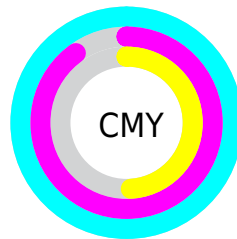
- Red (0%)
- Green (10%)
- Blue (51%)



- Red (0%)
- Yellow (8%)
- Blue (51%)



- Cyan (99%)
- Magenta (80%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (90%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 69.221, 301.838 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, 69.221, 301.838 by changing the saturation by 10% instead.

■ 17, 69.221,
301.838

■ 17, 69.221,
301.838

■ 100, 69.221,
301.838

■ 7, 69.221, 301.838

■ 37, 69.221,
301.838

■ 0, 69.221, 301.838

■ 47, 69.221,
301.838


■ 57, 69.221,
301.838


■ 67, 69.221,
301.838

■ 77, 69.221,
301.838


■ 87, 69.221,


301.838


 97, 69.221,
301.838

 17, 69.221,
301.838


 17, 69.221,
301.838


 17, 69.632,
301.972

 20, 62.215,
299.319

 23, 54.696,
296.481

 27, 47.088,
293.677

 30, 39.631,
291.067

 34, 32.406,
288.726

■ 38, 25.427,
286.677

■ 42, 18.677,
284.904

■ 46, 12.139,
283.381

■ 50, 5.794, 282.078

Harmonies

Complementary

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



17, 69.221, 301.838



45, 51.841, 89.286

Rectangle

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



17, 69.221, 301.838



17, 69.221, 351.838



17, 69.221, 121.838



17, 69.221, 171.838

Sweetspot

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



17, 69.222, 301.839



54, 23.709, 285.123



48, 37.179, 171.542



26, 16.188, 285.727



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, 69.222, 301.839



23, 86.142, 302.582



16, 77.826, 308.572



25, 3.441, 282.043



17, 68.855, 301.934



0, 0.000, 0.000

Inverse Universe

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



26, 55.368, 28.134



35, 68.274, 29.781



49, 61.410, 119.415



25, 3.042, 4.746



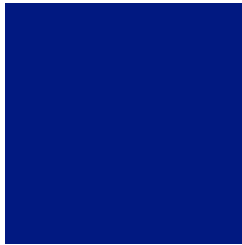
26, 55.056, 28.310



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 17, 69.221, 301.838 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, 69.221, 301.838 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

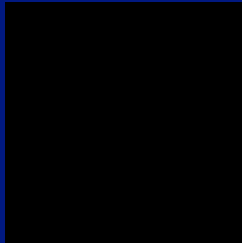
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 69.221, 301.838

Background



This preview shows how black text looks on a background with the CIELCh color 17, 69.221, 301.838.



This preview shows how white text looks on a background with the CIELCh color 17, 69.221, 301.838.

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, 69.197, 301.888

Protanopia

17, 32.267, 282.566

Deuteranopia

17, 22.589, 266.843



Tritanopia
17, 15.063, 204.619

Trichromacy



Original Color
17, 69.197, 301.888

Protanomaly
17, 46.186, 293.509

Deuteranomaly
17, 39.604, 289.612

Tritanomaly
16, 27.962, 278.830

Monochromacy



Original Color
17, 69.197, 301.888

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 27.477, 292.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 69.221, 301.838 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(1, 25, 129)` looks like.

```
.text, #text, p{  
    color:rgb(1, 25, 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(1, 25, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 25, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 69.221, 301.838 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(1, 25, 129) }
```

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

```
.border{ border-color:rgb(1, 25, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 25, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 25, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 25, 129);  
box-shadow:4px 4px 4px 4px rgb(1, 25, 129)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 69.221, 301.838 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 25, 129) }
```

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

```
.background{ background-color: rgb(1, 25,  
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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