

Converting Colors

CIELCh(17, 68.027, 313.887)

Have a look what the booklet for
CIELCh(17, 68.027, 313.887)
contains.

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Color

CIELCh(17, 67.722, 313.864)

Conversions

Conversions Part 1

Format	Color
Hex	400072
RGB	64, 0, 114
RGB Percent	25%, 0%, 45%
CMY	0.7491, 1.0000, 0.5531
CMYK	0.44, 1.00, 0.00, 0.55
HSL	274°, 100%, 22%
HSV	274°, 100%, 45%
XYZ	5.1473, 2.3023, 16.0835
YIQ	32.1320, 1.5500, 49.0220

Conversions

Conversions Part 2

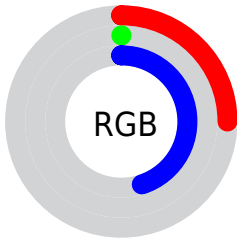
Format	Color
RYB	64, 0, 114
Decimal	4194418
CIELab	17.00, 46.93, -48.83
CIELCh	17, 67.722, 313.864
Yxy	2.3023, 0.2187, 0.0978
Android (android.graphics.Color)	4282384498 (0xFF400072)
YUV	32.1320, 40.3609, 27.9482
Hunter-Lab	15.1734, 33.9993, -52.2247

Details

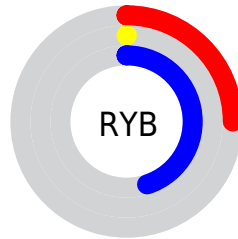
The CIELCh color **17, 67.722, 313.864** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 60.939, 129.236**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 67.662, 313.843**, and **4, 45.384, 304.450** is the 20% darker color. If you saturate the color by 10%, you get **17, 67.710, 313.861**, and if you desaturate by 10%, it is **19, 63.544, 314.076**.

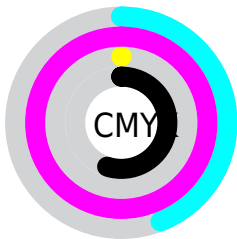
Distribution



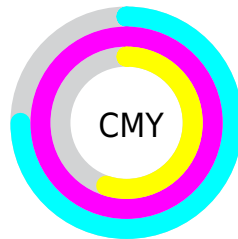
- Red (25%)
- Green (0%)
- Blue (45%)



- Red (25%)
- Yellow (0%)
- Blue (45%)



- Cyan (44%)
- Magenta (100%)
- Yellow (0%)
- Black (55%)



- Cyan (75%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 67.722, 313.864 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, 67.722, 313.864 by changing the saturation by 10% instead.

■ 17, 67.722,
313.864

■ 17, 67.722,
313.864

■ 100, 67.722,
313.864

■ 7, 67.722, 313.864

■ 37, 67.722,
313.864

■ 0, 67.722, 313.864

■ 47, 67.722,
313.864


■ 57, 67.722,
313.864


■ 67, 67.722,
313.864

■ 77, 67.722,
313.864


■ 87, 67.722,


313.864


 97, 67.722,
313.864


 17, 67.722,
313.864


 17, 67.722,
313.864


 17, 67.710,
313.861

 19, 63.544,
314.076

 21, 58.644,
314.206

 24, 52.462,
314.081

 27, 45.433,
313.784

 30, 37.928,
313.385

■ 34, 30.219,
312.936

■ 37, 22.482,
312.471

■ 41, 14.830,
312.013

■ 44, 7.327, 311.572

Harmonies

Complementary

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



17, 67.722, 313.864



42, 60.939, 129.236

Rectangle

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



17, 67.722, 313.864



17, 67.722, 3.864



17, 67.722, 133.864



17, 67.722, 183.864

Sweetspot

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



17, 67.710, 313.861



48, 27.856, 312.507



22, 42.048, 286.601



22, 18.936, 312.656



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



17, 67.710, 313.861



24, 81.913, 313.577



26, 61.439, 330.233



22, 4.063, 311.528



18, 70.222, 313.801



42, 120.547, 313.178

Inverse Universe

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



23, 46.607, 5.619



31, 56.245, 6.962



41, 64.981, 136.728



22, 3.101, 347.783



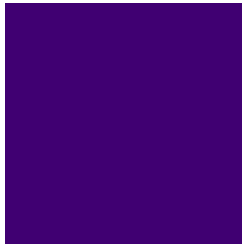
24, 48.309, 5.900



53, 82.573, 8.897

Previews

White Background



This preview shows how the CIELCh color 17, 67.722, 313.864 looks on a white background.

Color Contrast Check

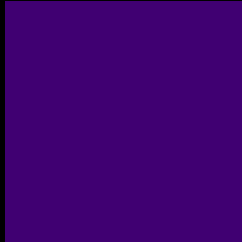
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.722, 313.864 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

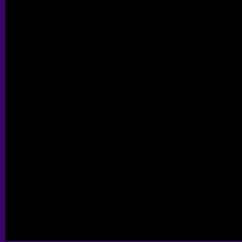
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 17, 67.722, 313.864

Background



This preview shows how black text looks on a background with the CIELCh color 17, 67.722, 313.864.



This preview shows how white text looks on a background with the CIELCh color 17, 67.722, 313.864.

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, 67.722, 313.864

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 24.300, 269.136



Tritanopia
19, 3.631, 331.021

Trichromacy



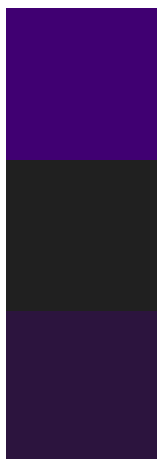
Original Color
17, 67.722, 313.864

Protanomaly
15, 50.308, 300.351

Deuteranomaly
15, 43.196, 298.265

Tritanomaly
16, 31.753, 314.595

Monochromacy



Original Color
17, 67.722, 313.864

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 30.941, 314.160

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 67.722, 313.864 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(64, 0, 114)` looks like.

```
.text, #text, p{  
    color:rgb(64, 0, 114)  
}
```

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(64, 0, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 0, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 67.722, 313.864 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(64, 0, 114) }
```

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

```
.border{ border-color:rgb(64, 0, 114) }
```

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

Here you see how a box with a 4 pixel rgb(64, 0, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 0, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 0, 114);  
box-shadow:4px 4px 4px 4px rgb(64, 0, 114)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 67.722, 313.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 0, 114) }
```

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

```
.background{ background-color: rgb(64, 0,  
114) }
```

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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