

Converting Colors

CIELCh(17, 65.432, 313.424)

Have a look what the booklet for
CIELCh(17, 65.432, 313.424)
contains.

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Color

CIELCh(17, 65.476, 313.536)

Conversions

Conversions Part 1

Format	Color
Hex	3F0470
RGB	63, 4, 112
RGB Percent	25%, 2%, 44%
CMY	0.7535, 0.9849, 0.5613
CMYK	0.44, 0.97, 0.00, 0.56
HSL	273°, 93%, 23%
HSV	273°, 97%, 44%
XYZ	4.9996, 2.3023, 15.4706
YIQ	33.9530, 0.4960, 46.0960

Conversions

Conversions Part 2

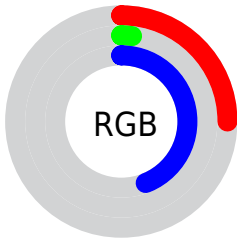
Format	Color
RYB	63, 4, 112
Decimal	4129904
CIELab	17.00, 45.10, -47.47
CIELCh	17, 65.476, 313.536
Yxy	2.3023, 0.2195, 0.1011
Android (android.graphics.Color)	4282319984 (0xFF3F0470)
YUV	33.9530, 38.4772, 25.4742
Hunter-Lab	15.1734, 32.2614, -49.8298

Details

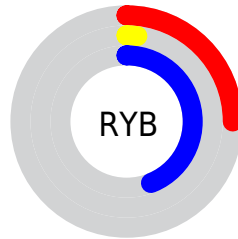
The CIELCh color **17, 65.476, 313.536** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **42, 58.679, 128.639**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 65.480, 313.579**, and **4, 43.823, 304.016** is the 20% darker color. If you saturate the color by 10%, you get **16, 67.009, 313.510**, and if you desaturate by 10%, it is **19, 61.238, 313.758**.

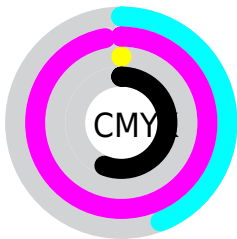
Distribution



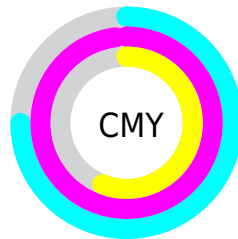
- Red (25%)
- Green (2%)
- Blue (44%)



- Red (25%)
- Yellow (2%)
- Blue (44%)



- Cyan (44%)
- Magenta (97%)
- Yellow (0%)
- Black (56%)



- Cyan (75%)
- Magenta (98%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 65.476, 313.536 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, 65.476, 313.536 by changing the saturation by 10% instead.

■ 17, 65.476,
313.536

■ 17, 65.476,
313.536

■ 100, 65.476,
313.536

■ 7, 65.476, 313.536

■ 37, 65.476,
313.536

■ 0, 65.476, 313.536

■ 47, 65.476,
313.536


■ 57, 65.476,
313.536


■ 67, 65.476,
313.536


■ 77, 65.476,
313.536


■ 87, 65.476,


313.536


 97, 65.476,
313.536


 17, 65.476,
313.536


 17, 65.476,
313.536


 16, 67.009,
313.510

 19, 61.238,
313.758

 21, 55.844,
313.767

 24, 49.357,
313.553

 27, 42.197,
313.195

 31, 34.694,
312.758

■ 34, 27.074,
312.288

■ 38, 19.483,
311.815

■ 41, 12.009,
311.356

■ 45, 4.701, 310.916

Harmonies

Complementary

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



17, 65.476, 313.536



42, 58.679, 128.639

Rectangle

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



17, 65.476, 313.536



17, 65.476, 3.536



17, 65.476, 133.536



17, 65.476, 183.536

Sweetspot

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



17, 65.476, 313.537



47, 26.451, 311.965



23, 38.676, 283.796



22, 18.350, 312.124



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, 65.476, 313.537



23, 81.122, 313.217



26, 60.603, 329.463



22, 4.049, 311.023



18, 70.437, 313.426



41, 120.941, 312.799

Inverse Universe

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



23, 45.311, 2.987



31, 55.548, 5.460



41, 63.503, 136.719



22, 3.131, 346.910



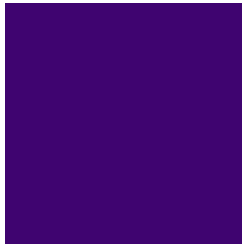
24, 48.343, 4.510



53, 82.506, 7.417

Previews

White Background



This preview shows how the CIELCh color 17, 65.476, 313.536 looks on a white background.

Color Contrast Check

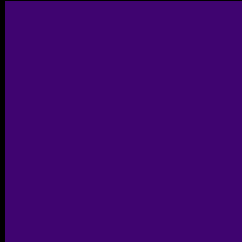
Large Text (above 18pt) WCAG AA ✓ Pass

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, 65.476, 313.536 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, 65.476, 313.536

Background



This preview shows how black text looks on a background with the CIELCh color 17, 65.476, 313.536.



This preview shows how white text looks on a background with the CIELCh color 17, 65.476, 313.536.

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, 65.476, 313.536

Protanopia

18, 32.783, 282.190

Deuteranopia

18, 23.723, 268.615



Tritanopia
19, 2.809, 332.741

Trichromacy



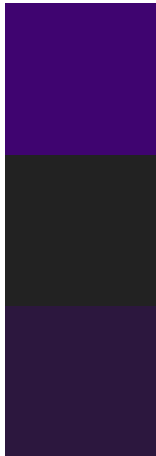
Original Color
17, 65.476, 313.536

Protanomaly
15, 48.356, 299.686

Deuteranomaly
15, 41.164, 297.368

Tritanomaly
16, 30.359, 313.925

Monochromacy



Original Color
17, 65.476, 313.536

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 28.747, 313.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 65.476, 313.536 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(63, 4, 112)` looks like.

```
.text, #text, p{  
    color:rgb(63, 4, 112)  
}
```

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(63, 4, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 4, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 65.476, 313.536 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(63, 4, 112) }
```

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

```
.border{ border-color:rgb(63, 4, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 4, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 4, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 4, 112);  
box-shadow:4px 4px 4px 4px rgb(63, 4, 112)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 65.476, 313.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 4, 112) }
```

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

```
.background{ background-color: rgb(63, 4,  
112) }
```

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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