

Converting Colors

CIELCh(14, 74.219, 316.669)

Have a look what the booklet for
CIELCh(14, 74.219, 316.669)
contains.

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Color

CIELCh(17, 65.731, 314.435)

Conversions

Conversions Part 1

Format	Color
Hex	41016F
RGB	65, 1, 111
RGB Percent	25%, 0%, 44%
CMY	0.7446, 0.9954, 0.5644
CMYK	0.41, 0.99, 0.00, 0.56
HSL	275°, 98%, 22%
HSV	275°, 99%, 44%
XYZ	5.0734, 2.3023, 15.2355
YIQ	32.6760, 2.8340, 47.7780

Conversions

Conversions Part 2

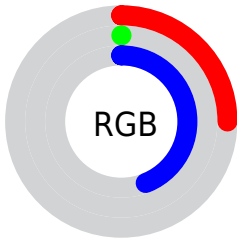
Format	Color
RYB	65, 1, 111
Decimal	4260207
CIELab	17.00, 46.02, -46.93
CIElCh	17, 65.731, 314.435
Yxy	2.3023, 0.2244, 0.1018
Android (android.graphics.Color)	4282450287 (0xFF41016F)
YUV	32.6760, 38.6137, 28.3481
Hunter-Lab	15.1734, 33.1300, -48.9111

Details

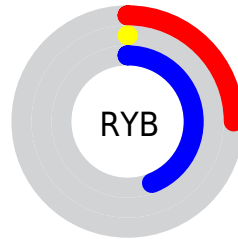
The CIELCh color **17, 65.731, 314.435** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 59.806, 129.747**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **37, 66.115, 314.554**, and **4, 43.142, 304.696** is the 20% darker color. If you saturate the color by 10%, you get **17, 66.188, 314.426**, and if you desaturate by 10%, it is **19, 61.684, 314.669**.

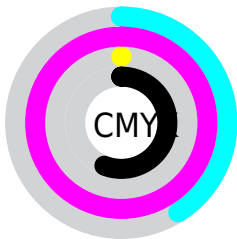
Distribution



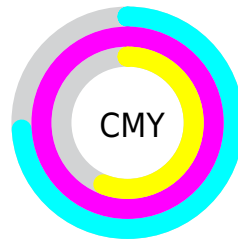
- Red (25%)
- Green (0%)
- Blue (44%)



- Red (25%)
- Yellow (0%)
- Blue (44%)



- Cyan (41%)
- Magenta (99%)
- Yellow (0%)
- Black (56%)



- Cyan (74%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 17, 65.731, 314.435 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, 65.731, 314.435 by changing the saturation by 10% instead.

■ 17, 65.731,
314.435

■ 17, 65.731,
314.435

■ 100, 65.731,
314.435

■ 7, 65.731, 314.435

■ 37, 65.731,
314.435

■ 0, 65.731, 314.435

■ 47, 65.731,
314.435


■ 57, 65.731,
314.435


■ 67, 65.731,
314.435


■ 77, 65.731,
314.435


■ 87, 65.731,

314.435


 97, 65.731,
314.435


 17, 65.731,
314.435

 17, 65.731,
314.435


 17, 66.188,
314.426

 19, 61.684,
314.669

 21, 56.792,
314.782

 24, 50.688,
314.656

 27, 43.784,
314.367

 30, 36.429,
313.981

■ 33, 28.877,
313.547

■ 37, 21.298,
313.096

■ 40, 13.799,
312.650

■ 44, 6.442, 312.219

Harmonies

Complementary

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



17, 65.731, 314.435



41, 59.806, 129.747

Rectangle

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



17, 65.731, 314.435



17, 65.731, 4.435



17, 65.731, 134.435



17, 65.731, 184.435

Sweetspot

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



17, 65.731, 314.435



47, 27.562, 313.180



21, 41.976, 287.512



22, 19.002, 313.328



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, 65.731, 314.435



24, 80.522, 314.131



25, 59.346, 330.906



22, 4.082, 312.222



19, 69.928, 314.335



42, 120.007, 313.720

Inverse Universe

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



22, 45.508, 7.013



30, 55.584, 8.850



40, 63.114, 137.048



22, 3.061, 349.018



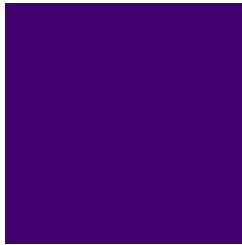
24, 48.317, 7.830



53, 82.773, 10.942

Previews

White Background



This preview shows how the CIELCh color 17, 65.731, 314.435 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, 65.731, 314.435 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, 65.731, 314.435

Background



This preview shows how black text looks on a background with the CIELCh color 17, 65.731, 314.435.



This preview shows how white text looks on a background with the CIELCh color 17, 65.731, 314.435.

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, 65.767, 314.432

Protanopia

18, 34.037, 283.332

Deuteranopia

18, 24.300, 269.136



Tritanopia
19, 4.698, 344.734

Trichromacy



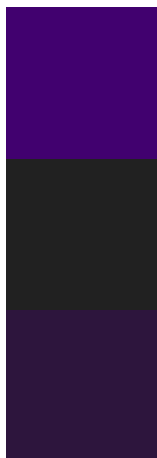
Original Color
17, 65.767, 314.432

Protanomaly
15, 49.660, 300.436

Deuteranomaly
15, 42.529, 298.368

Tritanomaly
16, 30.675, 316.888

Monochromacy



Original Color
17, 65.767, 314.432

Achromatopsia
13, 0.003, 296.813

Achromatomaly
12, 29.640, 314.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 17, 65.731, 314.435 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(65, 1, 111)` looks like.

```
.text, #text, p{  
    color:rgb(65, 1, 111)  
}
```

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(65, 1, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 1, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 17, 65.731, 314.435 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(65, 1, 111) }
```

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

```
.border{ border-color:rgb(65, 1, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 1, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 1, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 1, 111);  
box-shadow:4px 4px 4px 4px rgb(65, 1, 111)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 17, 65.731, 314.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 1, 111) }
```

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

```
.background{ background-color: rgb(65, 1,  
111) }
```

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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