

Converting Colors

CIELCh(15, 65.159, 312.962)

Have a look what the booklet for
CIELCh(15, 65.159, 312.962)
contains.

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Color

CIELCh(15, 65.203, 313.010)

Conversions

Conversions Part 1

Format	Color
Hex	38006B
RGB	56, 0, 107
RGB Percent	22%, 0%, 42%
CMY	0.7800, 0.9997, 0.5801
CMYK	0.48, 1.00, 0.00, 0.58
HSL	271°, 100%, 21%
HSV	271°, 100%, 42%
XYZ	4.2954, 1.9086, 14.0757
YIQ	28.9420, -0.9710, 45.1490

Conversions

Conversions Part 2

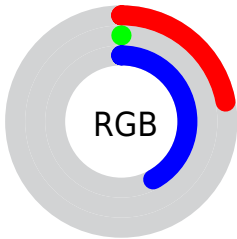
Format	Color
R_{YB}	56, 0, 107
Decimal	3670123
CIE _{Lab}	15.00, 44.48, -47.68
CIE _{LCh}	15, 65.203, 313.010
Yxy	1.9086, 0.2118, 0.0941
Android (android.graphics.Color)	4281860203 (0xFF38006B)
YUV	28.9420, 38.4826, 23.7299
Hunter-Lab	13.8151, 31.3223, -50.7377

Details

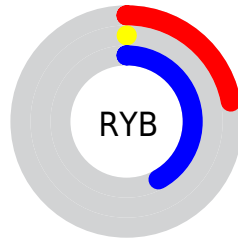
The CIELCh color **15, 65.203, 313.010** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **40, 57.547, 127.975**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 65.179, 313.226**, and **3, 39.369, 299.508** is the 20% darker color. If you saturate the color by 10%, you get **15, 65.239, 313.011**, and if you desaturate by 10%, it is **17, 60.825, 313.108**.

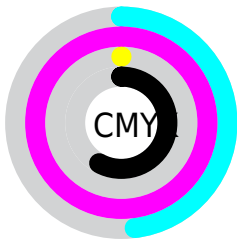
Distribution



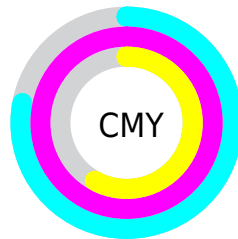
- Red (22%)
- Green (0%)
- Blue (42%)



- Red (22%)
- Yellow (0%)
- Blue (42%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (58%)



- Cyan (78%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 65.203, 313.010 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 15, 65.203, 313.010 by changing the saturation by 10% instead.

■ 15, 65.203,
313.010

■ 15, 65.203,
313.010

■ 100, 65.203,
313.010

■ 5, 65.203, 313.010

■ 35, 65.203,
313.010

■ 0, 65.203, 313.010

■ 45, 65.203,
313.010


■ 55, 65.203,
313.010


■ 65, 65.203,
313.010


■ 75, 65.203,
313.010


■ 85, 65.203,


313.010


 95, 65.203,
313.010


 15, 65.203,
313.010


 15, 65.203,
313.010


 15, 65.239,
313.011

 17, 60.825,
313.108

 19, 55.915,
313.170

 22, 49.843,
312.981

 25, 43.037,
312.629

 28, 35.840,
312.185

■ 31, 28.496,
311.701

■ 35, 21.161,
311.210

■ 38, 13.928,
310.734

■ 42, 6.850, 310.282

Harmonies

Complementary

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



15, 65.203, 313.010



40, 57.547, 127.975

Rectangle

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



15, 65.203, 313.010



15, 65.203, 3.010



15, 65.203, 133.010



15, 65.203, 183.010

Sweetspot

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



15, 65.203, 313.011



45, 26.498, 311.255



22, 37.465, 283.196



21, 18.277, 311.411



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



15, 65.203, 313.011



21, 79.394, 312.696



24, 60.260, 328.870



20, 3.874, 310.239



17, 69.674, 312.896



40, 120.592, 312.246

Inverse Universe

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



21, 44.754, 1.785



29, 54.226, 3.144



39, 62.837, 136.278



21, 3.055, 345.599



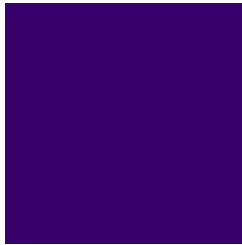
24, 47.728, 2.290



53, 81.885, 5.133

Previews

White Background



This preview shows how the CIE LCh color 15, 65.203, 313.010 looks on a white background.

Color Contrast Check

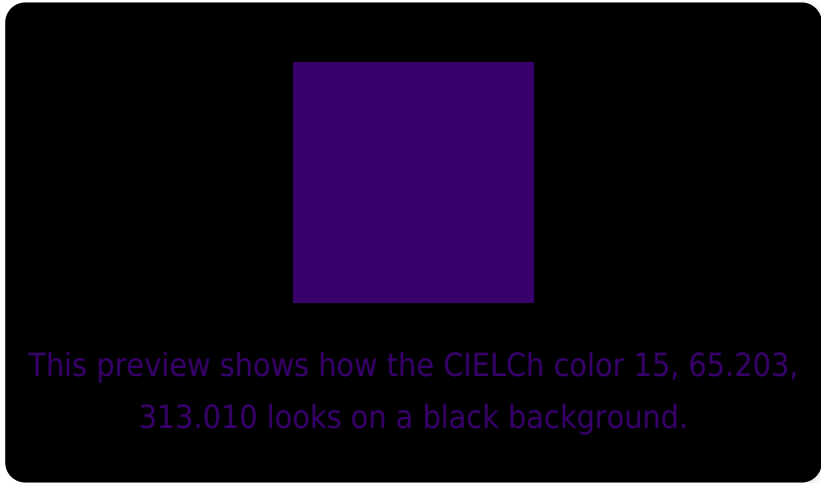
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

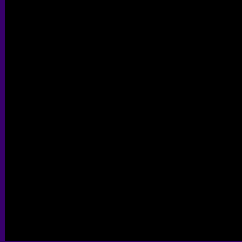
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 65.203, 313.010

Background



This preview shows how black text looks on a background with the CIELCh color 15, 65.203, 313.010.



This preview shows how white text looks on a background with the CIELCh color 15, 65.203, 313.010.

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

15, 65.203, 313.010

Protanopia

16, 31.751, 282.960

Deuteranopia

16, 21.984, 266.865



Tritanopia
17, 2.267, 266.665

Trichromacy



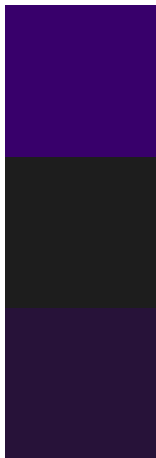
Original Color
15, 65.203, 313.010

Protanomaly
13, 47.557, 300.305

Deuteranomaly
13, 40.983, 298.179

Tritanomaly
14, 29.639, 310.673

Monochromacy



Original Color
15, 65.203, 313.010

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 29.093, 313.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 65.203, 313.010 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(56, 0, 107)` looks like.

```
.text, #text, p{  
    color:rgb(56, 0, 107)  
}
```

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(56, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 0, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 65.203, 313.010 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(56, 0, 107) }
```

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

```
.border{ border-color:rgb(56, 0, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 0, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(56, 0, 107)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 65.203, 313.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 0, 107) }
```

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

```
.background{ background-color: rgb(56, 0,  
107) }
```

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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