

Converting Colors

CIELCh(15, 63.542, 314.165)

Have a look what the booklet for
CIELCh(15, 63.542, 314.165)
contains.

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Color

CIELCh(15, 63.322, 314.131)

Conversions

Conversions Part 1

Format	Color
Hex	3B0068
RGB	59, 0, 104
RGB Percent	23%, 0%, 41%
CMY	0.7698, 1.0000, 0.5933
CMYK	0.43, 1.00, 0.00, 0.59
HSL	274°, 100%, 20%
HSV	274°, 100%, 41%
XYZ	4.2675, 1.9086, 13.1652
YIQ	29.4970, 1.7800, 44.8520

Conversions

Conversions Part 2

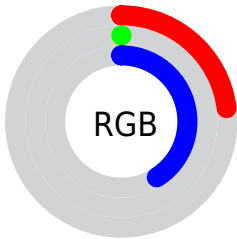
Format	Color
R_{YB}	59, 0, 104
Decimal	3866728
CIE _{Lab}	15.00, 44.09, -45.45
CIE _{LCh}	15, 63.322, 314.131
Yxy	1.9086, 0.2206, 0.0987
Android (android.graphics.Color)	4282056808 (0xFF3B0068)
YUV	29.4970, 36.7300, 25.8741
Hunter-Lab	13.8151, 30.9627, -46.8301

Details

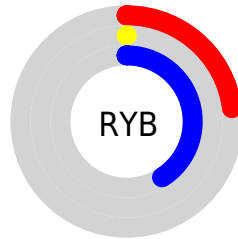
The CIELCh color **15, 63.322, 314.131** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 56.980, 129.198**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 63.036, 314.089**, and **3, 37.727, 298.710** is the 20% darker color. If you saturate the color by 10%, you get **15, 63.216, 314.101**, and if you desaturate by 10%, it is **17, 59.023, 314.229**.

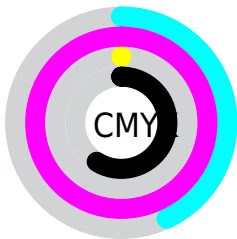
Distribution



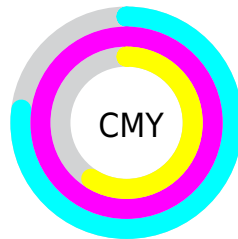
- Red (23%)
- Green (0%)
- Blue (41%)



- Red (23%)
- Yellow (0%)
- Blue (41%)



- Cyan (43%)
- Magenta (100%)
- Yellow (0%)
- Black (59%)





- Cyan (77%)
- Magenta (100%)
- Yellow (59%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 63.322, 314.131 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, 63.322, 314.131 by changing the saturation by 10% instead.

 15, 63.322,
314.131


 15, 63.322,
314.131


 100, 63.322,
314.131


 5, 63.322, 314.131


 35, 63.322,
314.131

 0, 63.322, 314.131

 45, 63.322,
314.131


 55, 63.322,
314.131


 65, 63.322,
314.131


 75, 63.322,
314.131


 85, 63.322,

314.131


 95, 63.322,
314.131


 15, 63.322,
314.131


 15, 63.322,
314.131


 15, 63.216,
314.101

 17, 59.023,
314.229

 19, 54.384,
314.336

 21, 48.601,
314.202

 24, 42.068,
313.904

 27, 35.112,
313.510

■ 30, 27.975,
313.068

■ 34, 20.816,
312.611

■ 37, 13.733,
312.161

■ 40, 6.786, 311.727

Harmonies

Complementary

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



15, 63.322, 314.131



39, 56.980, 129.198

Rectangle

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



15, 63.322, 314.131



15, 63.322, 4.131



15, 63.322, 134.131



15, 63.322, 184.131

Sweetspot

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



15, 63.216, 314.101



44, 25.891, 312.650



20, 38.898, 286.089



21, 17.850, 312.792



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



15, 63.216, 314.101



21, 76.579, 313.789



23, 57.493, 330.210



19, 3.753, 311.680



17, 67.980, 313.974



41, 118.526, 313.313

Inverse Universe

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



21, 43.599, 5.496



28, 52.673, 6.977



38, 60.668, 136.806



19, 2.852, 348.047



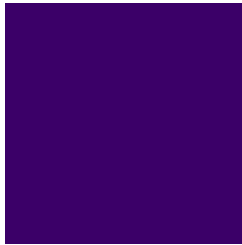
23, 46.829, 6.097



52, 81.311, 9.303

Previews

White Background



This preview shows how the CIE LCh color 15, 63.322, 314.131 looks on a white background.

Color Contrast Check

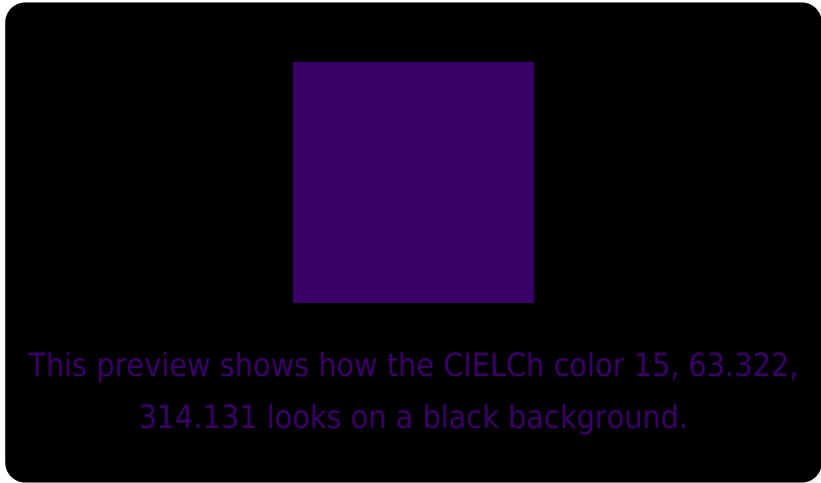
Large Text (above 18pt) WCAG AA ✓ Pass

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

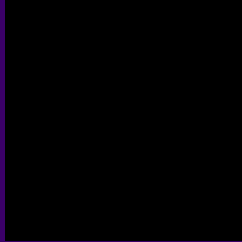
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 63.322, 314.131

Background



This preview shows how black text looks on a background with the CIELCh color 15, 63.322, 314.131.



This preview shows how white text looks on a background with the CIELCh color 15, 63.322, 314.131.

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, 63.322, 314.131

Deuteranopia

17, 22.543, 268.126

Tritanopia

17, 3.681, 331.059

Trichromacy

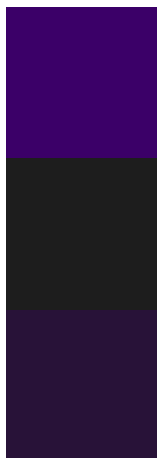


Original Color
15, 63.322, 314.131

Deuteranomaly
13, 40.306, 298.281

Tritanomaly
14, 30.060, 315.176

Monochromacy



Original Color
15, 63.322, 314.131

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 28.493, 314.350

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 63.322, 314.131 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(59, 0, 104)` looks like.

```
.text, #text, p{  
    color:rgb(59, 0, 104)  
}
```

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(59, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 0, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 63.322, 314.131 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(59, 0, 104) }
```

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

```
.border{ border-color:rgb(59, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(59, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(59, 0, 104)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 63.322, 314.131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 0, 104) }
```

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

```
.background{ background-color: rgb(59, 0,  
104) }
```

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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