

Converting Colors

CIELCh(0, 116.328, 324.413)

Have a look what the booklet for
CIELCh(0, 116.328, 324.413)
contains.

CIELCh(15, 60.832, 315.860)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(15, 60.832, 315.860)

Conversions

Conversions Part 1

Format	Color
Hex	3E0063
RGB	62, 0, 99
RGB Percent	24%, 0%, 39%
CMY	0.7567, 1.0000, 0.6114
CMYK	0.37, 1.00, 0.00, 0.61
HSL	278°, 100%, 19%
HSV	278°, 100%, 39%
XYZ	4.2362, 1.9086, 11.9712
YIQ	29.8240, 5.1730, 43.9330

Conversions

Conversions Part 2

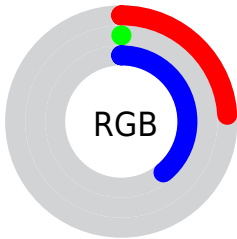
Format	Color
R_{YB}	62, 0, 99
Decimal	4063331
CIE _{Lab}	15.00, 43.66, -42.36
CIE _{LCh}	15, 60.832, 315.860
Yxy	1.9086, 0.2338, 0.1054
Android (android.graphics.Color)	4282253411 (0xFF3E0063)
YUV	29.8240, 34.1038, 28.2184
Hunter-Lab	13.8151, 30.5581, -41.7057

Details

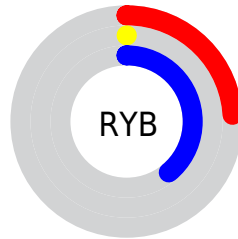
The CIELCh color **15, 60.832, 315.860** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **37, 56.079, 130.716**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 60.452, 315.548**, and **3, 33.907, 299.586** is the 20% darker color. If you saturate the color by 10%, you get **15, 60.480, 315.767**, and if you desaturate by 10%, it is **17, 56.545, 315.915**.

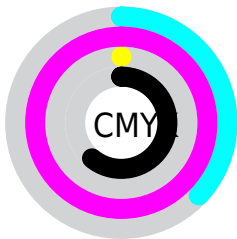
Distribution



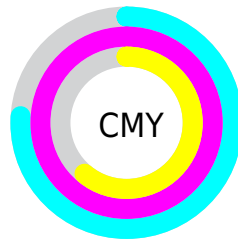
- Red (24%)
- Green (0%)
- Blue (39%)



- Red (24%)
- Yellow (0%)
- Blue (39%)



- Cyan (37%)
- Magenta (100%)
- Yellow (0%)
- Black (61%)



- Cyan (76%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 60.832, 315.860 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, 60.832, 315.860 by changing the saturation by 10% instead.

■ 15, 60.832,
315.860

■ 15, 60.832,
315.860

■ 100, 60.832,
315.860

■ 5, 60.832, 315.860

■ 35, 60.832,
315.860

■ 0, 60.832, 315.860

■ 45, 60.832,
315.860


■ 55, 60.832,
315.860


■ 65, 60.832,
315.860


■ 75, 60.832,
315.860


■ 85, 60.832,


315.860


 95, 60.832,
315.860


 15, 60.832,
315.860


 15, 60.832,
315.860


 15, 60.480,
315.767

 17, 56.545,
315.915

 19, 52.254,
316.056

 21, 46.850,
315.972

 24, 40.679,
315.730

 26, 34.048,
315.387

■ 29, 27.191,
314.989

■ 32, 20.271,
314.567

■ 36, 13.395,
314.143

■ 39, 6.627, 313.727

Harmonies

Complementary

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



15, 60.832, 315.860



37, 56.079, 130.716

Rectangle

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



15, 60.832, 315.860



15, 60.832, 5.860



15, 60.832, 135.860



15, 60.832, 185.860

Sweetspot

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



15, 60.480, 315.767



42, 25.366, 314.606



17, 42.232, 291.056



20, 17.478, 314.734



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



15, 60.480, 315.767



22, 73.555, 315.454



21, 53.010, 333.157



18, 3.644, 313.679



18, 66.096, 315.615



42, 116.072, 314.969

Inverse Universe

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



19, 42.339, 10.722



27, 51.541, 12.464



36, 57.193, 137.924



18, 2.633, 351.752



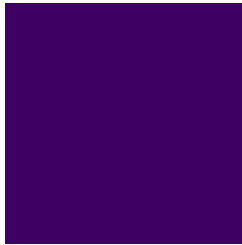
22, 46.285, 11.565



51, 81.628, 15.193

Previews

White Background



This preview shows how the CIELCh color 15, 60.832, 315.860 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 15, 60.832, 315.860 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

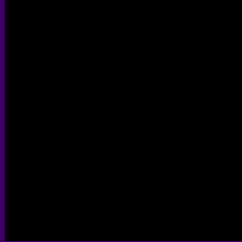
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 60.832, 315.860

Background



This preview shows how black text looks on a background with the CIELCh color 15, 60.832, 315.860.



This preview shows how white text looks on a background with the CIELCh color 15, 60.832, 315.860.

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, 60.442, 315.769

Protanopia

17, 31.060, 281.829

Deuteranopia

17, 23.111, 269.328



Tritanopia
17, 6.226, 1.515

Trichromacy



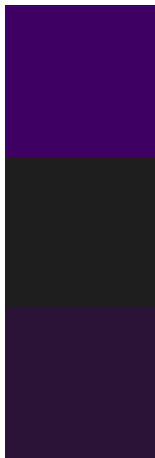
Original Color
15, 60.442, 315.769

Protanomaly
14, 44.854, 300.126

Deuteranomaly
13, 39.603, 298.697

Tritanomaly
15, 28.654, 320.681

Monochromacy



Original Color
15, 60.442, 315.769

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 27.226, 316.104

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 60.832, 315.860 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(62, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(62, 0, 99)  
}
```

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(62, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 0, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 60.832, 315.860 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(62, 0, 99) }
```

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

```
.border{ border-color:rgb(62, 0, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 0, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 0, 99); -webkit-box-shadow:4px  
4px 4px 4px rgb(62, 0, 99); box-shadow:4px  
4px 4px 4px rgb(62, 0, 99) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 60.832, 315.860 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 0, 99) }
```

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

```
.background{ background-color: rgb(62, 0,  
99) }
```

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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