

Converting Colors

CIELCh(12, 65.765, 296.792)

Have a look what the booklet for
CIELCh(12, 65.765, 296.792)
contains.

CIELCh(15, 63.803, 301.676)	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, 63.803, 301.676)

Conversions

Conversions Part 1

Format	Color
Hex	031775
RGB	3, 23, 117
RGB Percent	1%, 9%, 46%
CMY	0.9897, 0.9105, 0.5410
CMYK	0.98, 0.80, 0.00, 0.54
HSL	229°, 96%, 23%
HSV	229°, 98%, 46%
XYZ	3.5494, 1.9086, 17.0248
YIQ	27.7360, -42.0940, 24.9940

Conversions

Conversions Part 2

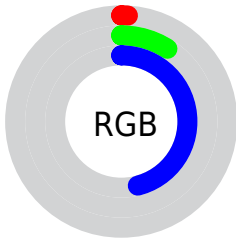
Format	Color
R_{YB}	3, 20, 117
Decimal	202613
CIE _{Lab}	15.00, 33.50, -54.30
CIE _{LCh}	15, 63.803, 301.676
Yxy	1.9086, 0.1579, 0.0849
Android (android.graphics.Color)	4278392693 (0xFF031775)
YUV	27.7360, 44.0072, -21.6935
Hunter-Lab	13.8151, 21.6833, -63.3940

Details

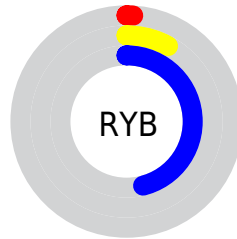
The CIELCh color **15, 63.803, 301.676** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **42, 48.178, 90.708**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 63.550, 301.572**, and **4, 46.726, 302.775** is the 20% darker color. If you saturate the color by 10%, you get **14, 65.196, 302.141**, and if you desaturate by 10%, it is **18, 57.161, 299.171**.

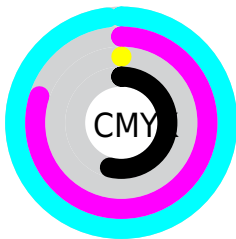
Distribution



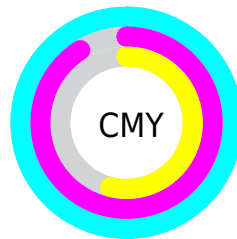
- Red (1%)
- Green (9%)
- Blue (46%)



- Red (1%)
- Yellow (8%)
- Blue (46%)



- Cyan (98%)
- Magenta (80%)
- Yellow (0%)
- Black (54%)



- Cyan (99%)
- Magenta (91%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 63.803, 301.676 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, 63.803, 301.676 by changing the saturation by 10% instead.

■ 15, 63.803,
301.676

■ 15, 63.803,
301.676

■ 100, 63.803,
301.676

■ 5, 63.803, 301.676

■ 35, 63.803,
301.676

■ 0, 63.803, 301.676

■ 45, 63.803,
301.676


■ 55, 63.803,
301.676


■ 65, 63.803,
301.676


■ 75, 63.803,
301.676


■ 85, 63.803,


301.676


 95, 63.803,
301.676


 15, 63.803,
301.676


 15, 63.803,
301.676


 14, 65.196,
302.141

 18, 57.161,
299.171

 21, 50.093,
296.410

 24, 42.978,
293.710

 28, 36.017,
291.211

 31, 29.278,
288.978

■ 35, 22.770,
287.026

■ 39, 16.478,
285.338

■ 43, 10.384,
283.886

■ 46, 4.474, 282.645

Harmonies

Complementary

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



15, 63.803, 301.676



42, 48.178, 90.708

Rectangle

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



15, 63.803, 301.676



15, 63.803, 351.676



15, 63.803, 121.676



15, 63.803, 171.676

Sweetspot

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



15, 63.804, 301.677



50, 21.504, 285.654



44, 33.590, 173.658



23, 14.745, 286.212



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



15, 63.804, 301.677



20, 80.907, 302.804



14, 71.230, 308.814



23, 3.257, 282.792



15, 67.598, 302.267



35, 119.807, 303.591

Inverse Universe

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



23, 50.998, 27.883



31, 63.949, 30.301



45, 56.905, 119.978



23, 2.824, 5.760



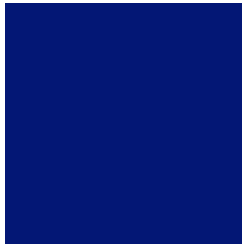
24, 53.799, 29.059



52, 93.902, 32.211

Previews

White Background



This preview shows how the CIE LCh color 15, 63.803, 301.676 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, 63.803, 301.676 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

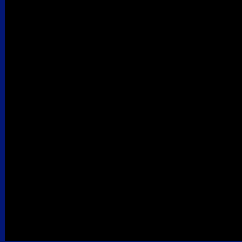
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 63.803, 301.676

Background



This preview shows how black text looks on a background with the CIELCh color 15, 63.803, 301.676.



This preview shows how white text looks on a background with the CIELCh color 15, 63.803, 301.676.

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, 63.666, 301.648

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 20.819, 265.514



Tritanopia
15, 14.371, 202.208

Trichromacy



Original Color
15, 63.666, 301.648

Protanomaly
15, 42.776, 293.471

Deuteranomaly
15, 36.725, 289.552

Tritanomaly
14, 26.183, 279.075

Monochromacy



Original Color
15, 63.666, 301.648

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 24.856, 292.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 63.803, 301.676 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(3, 23, 117)` looks like.

```
.text, #text, p{  
    color:rgb(3, 23, 117)  
}
```

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(3, 23, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 23, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 63.803, 301.676 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(3, 23, 117) }
```

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

```
.border{ border-color:rgb(3, 23, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 23, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 23, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 23, 117);  
box-shadow:4px 4px 4px 4px rgb(3, 23, 117)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 63.803, 301.676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 23, 117) }
```

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

```
.background{ background-color: rgb(3, 23,  
117) }
```

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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