

Converting Colors

CIELCh(15, 59.571, 303.426)

Have a look what the booklet for
CIELCh(15, 59.571, 303.426)
contains.

CIELCh(15, 59.571, 303.426)	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, 59.571, 303.426)

Conversions

Conversions Part 1

Format	Color
Hex	19166E
RGB	25, 22, 110
RGB Percent	10%, 9%, 43%
CMY	0.9018, 0.9136, 0.5685
CMYK	0.77, 0.80, 0.00, 0.57
HSL	242°, 67%, 26%
HSV	242°, 80%, 43%
XYZ	3.5057, 1.9086, 14.9445
YIQ	32.9290, -26.4600, 28.0040

Conversions

Conversions Part 2

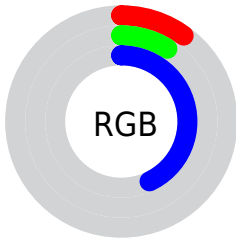
Format	Color
R_{YB}	25, 22, 110
Decimal	1644142
CIE _{Lab}	15.00, 32.82, -49.72
CIE _{LCh}	15, 59.571, 303.426
Yxy	1.9086, 0.1722, 0.0937
Android (android.graphics.Color)	4279834222 (0xFF19166E)
YUV	32.9290, 37.9960, -6.9537
Hunter-Lab	13.8151, 21.1187, -54.4662




Details

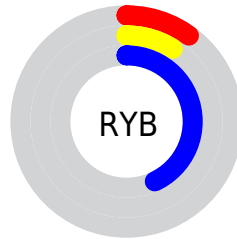
The CIELCh color **15, 59.571, 303.426** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **45, 46.586, 105.407**, and the grayscale version is **13, 0.003, 296.813**.



A 20% lighter version of the original color is **35, 60.099, 303.448**, and **3, 41.859, 300.725** is the 20% darker color. If you saturate the color by 10%, you get **12, 66.035, 304.992**, and if you desaturate by 10%, it is **18, 51.944, 301.562**.

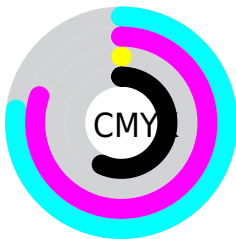
Distribution







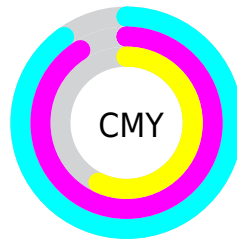
-  Red (10%)
-  Green (9%)
-  Blue (43%)






-  Red (10%)
-  Yellow (9%)
-  Blue (43%)



-  Cyan (77%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (57%)



-  Cyan (90%)
-  Magenta (91%)
-  Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 59.571, 303.426 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, 59.571, 303.426 by changing the saturation by 10% instead.

■ 15, 59.571,
303.426

■ 15, 59.571,
303.426

■ 100, 59.571,
303.426

■ 5, 59.571, 303.426

■ 35, 59.571,
303.426

■ 0, 59.571, 303.426

■ 45, 59.571,
303.426


■ 55, 59.571,
303.426


■ 65, 59.571,
303.426


■ 75, 59.571,
303.426


■ 85, 59.571,


303.426


 95, 59.571,
303.426


 15, 59.571,
303.426


 15, 59.571,
303.426


 12, 66.035,
304.992


 18, 51.944,
301.562


 10, 71.808,
306.471

 22, 43.930,
299.643

 10, 71.819,
306.474

 26, 35.953,
297.828

 30, 28.198,
296.192

 34, 20.725,
294.757

■ 38, 13.543,
293.515

■ 42, 6.639, 292.451

■ 46, 0.005, 105.058

■ 51, 6.407, 110.740

Harmonies

Complementary

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



15, 59.571, 303.426



45, 46.586, 105.407

Rectangle

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



15, 59.571, 303.426



15, 59.571, 353.426



15, 59.571, 123.426



15, 59.571, 173.426

Sweetspot

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



15, 59.572, 303.427



47, 20.327, 294.070



41, 24.220, 200.942



22, 13.942, 294.409



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, 59.572, 303.427



16, 84.484, 305.946



20, 57.131, 313.439



21, 3.794, 292.357



12, 76.353, 306.457



31, 130.612, 306.357

Inverse Universe

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



27, 55.246, 329.085



34, 72.282, 329.534



42, 51.594, 127.493



22, 4.477, 325.821



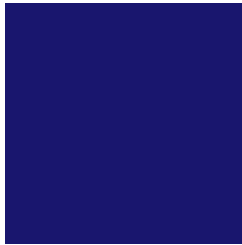
27, 64.431, 329.593



58, 109.875, 329.674

Previews

White Background



This preview shows how the CIE LCh color 15, 59.571, 303.426 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, 59.571, 303.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

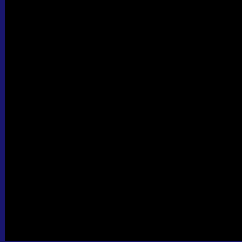
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 59.571, 303.426

Background



This preview shows how black text looks on a background with the CIELCh color 15, 59.571, 303.426.



This preview shows how white text looks on a background with the CIELCh color 15, 59.571, 303.426.

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, 59.571, 303.426

Protanopia

15, 29.314, 281.417

Deuteranopia

15, 20.788, 266.209



Tritanopia
15, 14.060, 205.360

Trichromacy



Original Color
15, 59.571, 303.426

Protanomaly
15, 40.695, 293.841

Deuteranomaly
14, 35.352, 290.821

Tritanomaly
14, 24.644, 280.919

Monochromacy



Original Color
15, 59.571, 303.426

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 23.048, 297.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 59.571, 303.426 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(25, 22, 110)` looks like.

```
.text, #text, p{  
    color:rgb(25, 22, 110)  
}
```

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(25, 22, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 22, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 59.571, 303.426 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(25, 22, 110) }
```

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

```
.border{ border-color:rgb(25, 22, 110) }
```

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

Here you see how a box with a 4 pixel rgb(25, 22, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 22, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 22, 110);  
box-shadow:4px 4px 4px 4px rgb(25, 22,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 59.571, 303.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 22, 110) }
```

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

```
.background{ background-color: rgb(25, 22,  
110) }
```

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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