

Converting Colors

CIELCh(15, 59.312, 310.573)

Have a look what the booklet for
CIELCh(15, 59.312, 310.573)
contains.

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Color

CIELCh(15, 59.152, 310.592)

Conversions

Conversions Part 1

Format	Color
Hex	320C67
RGB	50, 12, 103
RGB Percent	20%, 5%, 40%
CMY	0.8046, 0.9536, 0.5967
CMYK	0.52, 0.89, 0.00, 0.60
HSL	265°, 79%, 22%
HSV	265°, 89%, 40%
XYZ	3.8765, 1.9086, 12.9541
YIQ	33.7360, -6.5630, 36.3570

Conversions

Conversions Part 2

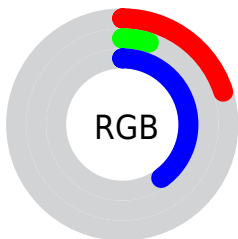
Format	Color
R _{YB}	50, 12, 103
Decimal	3279975
CIE _{Lab}	15.00, 38.49, -44.92
CIE _{LCh}	15, 59.152, 310.592
Yxy	1.9086, 0.2069, 0.1019
Android (android.graphics.Color)	4281470055 (0xFF320C67)
YUV	33.7360, 34.1472, 14.2635
Hunter-Lab	13.8151, 25.9101, -45.9239

Details

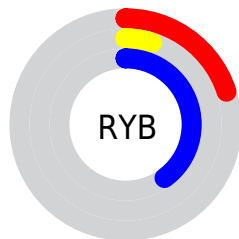
The CIELCh color **15, 59.152, 310.592** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **39, 50.458, 123.621**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 59.418, 310.715**, and **2, 36.912, 298.316** is the 20% darker color. If you saturate the color by 10%, you get **13, 63.955, 310.731**, and if you desaturate by 10%, it is **17, 53.745, 310.398**.

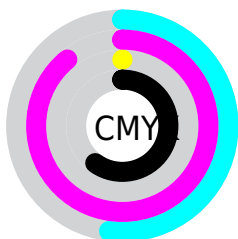
Distribution



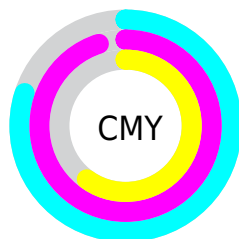
- Red (20%)
- Green (5%)
- Blue (40%)



- Red (20%)
- Yellow (5%)
- Blue (40%)



- Cyan (52%)
- Magenta (89%)
- Yellow (0%)
- Black (60%)





- Cyan (80%)
- Magenta (95%)
- Yellow (60%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 59.152, 310.592 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, 59.152, 310.592 by changing the saturation by 10% instead.

 15, 59.152,
310.592


 15, 59.152,
310.592


 100, 59.152,
310.592


 5, 59.152, 310.592


 35, 59.152,
310.592

 0, 59.152, 310.592

 45, 59.152,
310.592


 55, 59.152,
310.592


 65, 59.152,
310.592


 75, 59.152,
310.592


 85, 59.152,

310.592


 95, 59.152,
310.592


 15, 59.152,
310.592


 15, 59.152,
310.592


 13, 63.955,
310.731


 17, 53.745,
310.398

 13, 64.751,
310.791

 20, 47.367,
309.969

 23, 40.459,
309.410

 27, 33.334,
308.797

 30, 26.191,
308.178

■ 34, 19.143,
307.583

■ 37, 12.253,
307.028

■ 41, 5.549, 306.518

■ 44, 0.957, 126.132

Harmonies

Complementary

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



15, 59.152, 310.592



39, 50.458, 123.621

Rectangle

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



15, 59.152, 310.592



15, 59.152, 0.592



15, 59.152, 130.592



15, 59.152, 180.592

Sweetspot

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



15, 59.152, 310.593



44, 22.323, 307.540



26, 26.926, 266.869



20, 14.966, 307.671



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, 59.152, 310.593



18, 77.885, 310.488



23, 56.463, 325.181



19, 3.642, 306.538



15, 70.081, 310.652



36, 122.392, 310.004

Inverse Universe

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



22, 42.988, 349.898



28, 53.631, 353.440



38, 57.376, 136.027



20, 3.152, 340.057



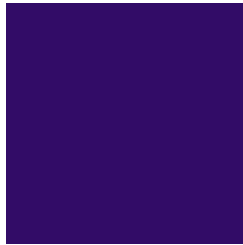
24, 48.466, 352.925



53, 83.212, 355.056

Previews

White Background



This preview shows how the CIE LCh color 15, 59.152, 310.592 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 CIE LCh color 15, 59.152, 310.592 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, 59.152, 310.592

Background



This preview shows how black text looks on a background with the CIELCh color 15, 59.152, 310.592.



This preview shows how white text looks on a background with the CIELCh color 15, 59.152, 310.592.

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

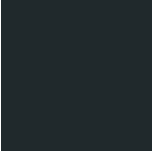
15, 59.152, 310.592

Protanopia

15, 30.593, 282.748

Deuteranopia

16, 21.374, 266.887



Tritanopia
16, 4.474, 226.869

Trichromacy



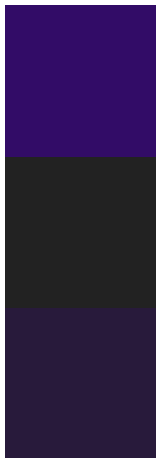
Original Color
15, 59.152, 310.592

Protanomaly
14, 42.875, 297.791

Deuteranomaly
14, 36.124, 294.794

Tritanomaly
14, 25.095, 303.234

Monochromacy



Original Color
15, 59.152, 310.592

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 24.295, 309.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 59.152, 310.592 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(50, 12, 103)` looks like.

```
.text, #text, p{  
    color:rgb(50, 12, 103)  
}
```

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(50, 12, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 12, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 59.152, 310.592 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(50, 12, 103) }
```

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

```
.border{ border-color:rgb(50, 12, 103) }
```

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

Here you see how a box with a 4 pixel rgb(50, 12, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 12, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 12, 103);  
box-shadow:4px 4px 4px 4px rgb(50, 12,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 59.152, 310.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 12, 103) }
```

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

```
.background{ background-color: rgb(50, 12,  
103) }
```

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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