

Converting Colors

CIELCh(15, 57.089, 310.830)

Have a look what the booklet for
CIELCh(15, 57.089, 310.830)
contains.

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Color

CIELCh(15, 57.085, 310.757)

Conversions

Conversions Part 1

Format	Color
Hex	320D64
RGB	50, 13, 100
RGB Percent	20%, 5%, 39%
CMY	0.8026, 0.9478, 0.6066
CMYK	0.50, 0.87, 0.00, 0.61
HSL	266°, 77%, 22%
HSV	266°, 87%, 39%
XYZ	3.7946, 1.9086, 12.3028
YIQ	33.9810, -5.8750, 34.9010

Conversions

Conversions Part 2

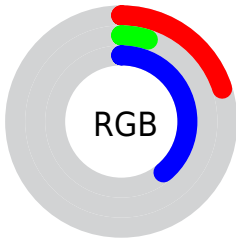
Format	Color
R_{YB}	50, 13, 100
Decimal	3280228
CIE Lab	15.00, 37.27, -43.24
CIE LCh	15, 57.085, 310.757
Yxy	1.9086, 0.2107, 0.1060
Android (android.graphics.Color)	4281470308 (0xFF320D64)
YUV	33.9810, 32.5474, 14.0487
Hunter-Lab	13.8151, 24.8523, -43.1291

Details

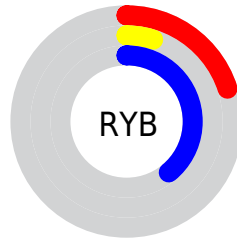
The CIELCh color **15, 57.085, 310.757** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 49.019, 123.829**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 57.132, 310.577**, and **2, 34.482, 297.155** is the 20% darker color. If you saturate the color by 10%, you get **13, 61.797, 310.856**, and if you desaturate by 10%, it is **17, 51.585, 310.525**.

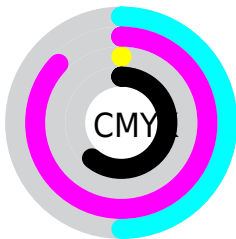
Distribution



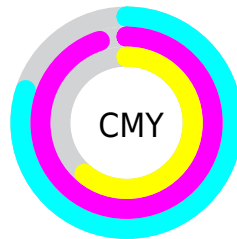
- Red (20%)
- Green (5%)
- Blue (39%)



- Red (20%)
- Yellow (5%)
- Blue (39%)



- Cyan (50%)
- Magenta (87%)
- Yellow (0%)
- Black (61%)



- Cyan (80%)
- Magenta (95%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 57.085, 310.757 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, 57.085, 310.757 by changing the saturation by 10% instead.

■ 15, 57.085,
310.757

■ 15, 57.085,
310.757

■ 100, 57.085,
310.757

■ 5, 57.085, 310.757

■ 35, 57.085,
310.757

■ 0, 57.085, 310.757

■ 45, 57.085,
310.757


■ 55, 57.085,
310.757


■ 65, 57.085,
310.757


■ 75, 57.085,
310.757


■ 85, 57.085,


310.757


 95, 57.085,
310.757


 15, 57.085,
310.757


 15, 57.085,
310.757


 13, 61.797,
310.856


 17, 51.585,
310.525

 12, 63.503,
310.977

 20, 45.225,
310.082

 23, 38.410,
309.526

 27, 31.423,
308.923

 30, 24.438,
308.321

■ 33, 17.556,
307.743

■ 37, 10.832,
307.206

■ 40, 4.292, 306.709

■ 44, 2.056, 126.310

Harmonies

Complementary

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



15, 57.085, 310.757



38, 49.019, 123.829

Rectangle

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



15, 57.085, 310.757



15, 57.085, 0.757



15, 57.085, 130.757



15, 57.085, 180.757

Sweetspot

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



15, 57.085, 310.758



43, 21.150, 307.745



26, 25.952, 265.998



21, 14.496, 307.881



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, 57.085, 310.758



18, 76.660, 310.659



22, 54.876, 325.181



19, 3.647, 306.817



15, 69.970, 310.803



37, 122.192, 310.151

Inverse Universe

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



22, 41.699, 350.008



27, 52.732, 354.039



37, 55.682, 136.121



20, 3.135, 340.440



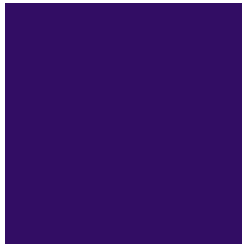
24, 48.309, 353.577



53, 82.967, 355.768

Previews

White Background



This preview shows how the CIE LCh color 15, 57.085, 310.757 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, 57.085, 310.757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

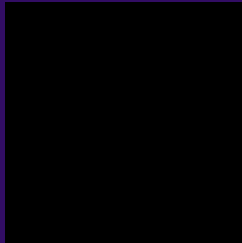
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 57.085, 310.757

Background



This preview shows how black text looks on a background with the CIELCh color 15, 57.085, 310.757.



This preview shows how white text looks on a background with the CIELCh color 15, 57.085, 310.757.

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

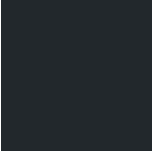
15, 57.085, 310.757

Protanopia

15, 29.953, 282.097

Deuteranopia

16, 21.374, 266.887



Tritanopia
16, 3.846, 246.171

Trichromacy



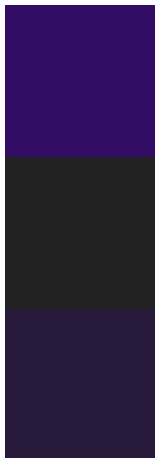
Original Color
15, 57.085, 310.757

Protanomaly
14, 40.830, 296.824

Deuteranomaly
14, 34.696, 293.738

Tritanomaly
14, 24.474, 305.096

Monochromacy



Original Color
15, 57.085, 310.757

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 23.632, 309.534

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 57.085, 310.757 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, 13, 100)` looks like.

```
.text, #text, p{  
    color:rgb(50, 13, 100)  
}
```

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, 13, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 13, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 57.085, 310.757 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, 13, 100) }
```

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

```
.border{ border-color:rgb(50, 13, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 13, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 13, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 13, 100);  
box-shadow:4px 4px 4px 4px rgb(50, 13,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 57.085, 310.757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 13, 100) }
```

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

```
.background{ background-color: rgb(50, 13,  
100) }
```

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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