

Converting Colors

CIELCh(15, 55.979, 310.160)

Have a look what the booklet for
CIELCh(15, 55.979, 310.160)
contains.

CIELCh(15, 56.244, 310.151)	3
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Color

CIELCh(15, 56.244, 310.151)

Conversions

Conversions Part 1

Format	Color
Hex	310F64
RGB	49, 15, 100
RGB Percent	19%, 6%, 39%
CMY	0.8082, 0.9415, 0.6082
CMYK	0.51, 0.85, 0.00, 0.61
HSL	264°, 74%, 23%
HSV	264°, 85%, 39%
XYZ	3.7283, 1.9086, 12.2073
YIQ	34.8560, -7.0210, 33.6430

Conversions

Conversions Part 2

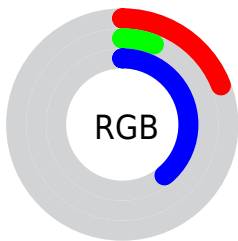
Format	Color
RYB	49, 15, 100
Decimal	3215204
CIELab	15.00, 36.27, -42.99
CIELCh	15, 56.244, 310.151
Yxy	1.9086, 0.2089, 0.1070
Android (android.graphics.Color)	4281405284 (0xFF310F64)
YUV	34.8560, 32.1160, 12.4043
Hunter-Lab	13.8151, 23.9952, -42.7189

Details

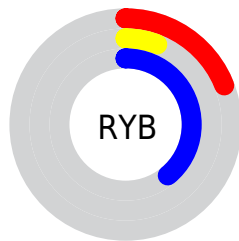
The CIELCh color **15, 56.244, 310.151** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **38, 47.945, 122.765**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 56.482, 310.045**, and **2, 34.482, 297.155** is the 20% darker color. If you saturate the color by 10%, you get **13, 61.063, 310.295**, and if you desaturate by 10%, it is **18, 50.493, 309.814**.

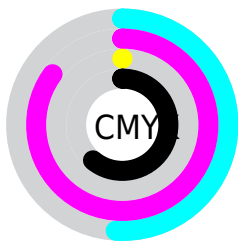
Distribution



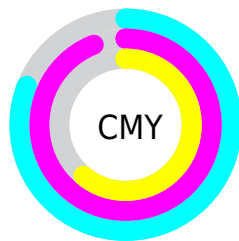
- Red (19%)
- Green (6%)
- Blue (39%)



- Red (19%)
- Yellow (6%)
- Blue (39%)



- Cyan (51%)
- Magenta (85%)
- Yellow (0%)
- Black (61%)



- Cyan (81%)
- Magenta (94%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 56.244, 310.151 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, 56.244, 310.151 by changing the saturation by 10% instead.

■ 15, 56.244,
310.151

■ 15, 56.244,
310.151

■ 100, 56.244,
310.151

■ 5, 56.244, 310.151

■ 35, 56.244,
310.151

■ 0, 56.244, 310.151

■ 45, 56.244,
310.151


■ 55, 56.244,
310.151


■ 65, 56.244,
310.151


■ 75, 56.244,
310.151


■ 85, 56.244,


310.151


 95, 56.244,
310.151


 15, 56.244,
310.151


 15, 56.244,
310.151


 13, 61.063,
310.295


 18, 50.493,
309.814

 12, 63.647,
310.500

 20, 43.981,
309.287

 24, 37.098,
308.667

 27, 30.102,
308.018

 30, 23.148,
307.382

■ 34, 16.323,
306.781

■ 37, 9.670, 306.228

■ 41, 3.208, 305.718

■ 44, 3.058, 125.305

Harmonies

Complementary

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



15, 56.244, 310.151



38, 47.945, 122.765

Rectangle

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



15, 56.244, 310.151



15, 56.244, 0.151



15, 56.244, 130.151



15, 56.244, 180.151

Sweetspot

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



15, 56.244, 310.152



43, 21.073, 306.880



27, 24.202, 260.573



20, 14.446, 307.023



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, 56.244, 310.152



17, 77.055, 310.182



22, 54.201, 324.064



19, 3.631, 305.912



14, 70.328, 310.323



36, 122.835, 309.686

Inverse Universe

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



22, 41.759, 347.884



28, 53.308, 351.910



37, 54.580, 135.746



20, 3.191, 339.216



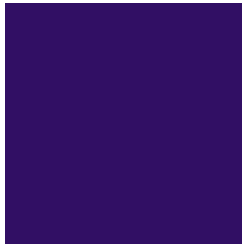
24, 48.845, 351.489



53, 83.814, 353.485

Previews

White Background



This preview shows how the CIE LCh color 15, 56.244, 310.151 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, 56.244, 310.151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

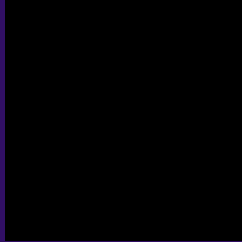
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 56.244, 310.151

Background



This preview shows how black text looks on a background with the CIELCh color 15, 56.244, 310.151.



This preview shows how white text looks on a background with the CIELCh color 15, 56.244, 310.151.

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, 56.244, 310.151

Protanopia

15, 29.953, 282.097

Tritanopia

16, 4.474, 226.869

Trichromacy

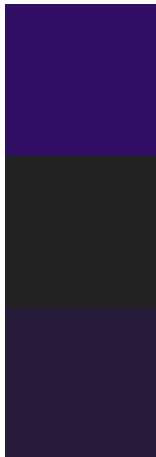


Original Color
15, 56.244, 310.151

Protanomaly
14, 40.077, 296.182

Tritanomaly
14, 22.840, 301.616

Monochromacy



Original Color
15, 56.244, 310.151

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 22.703, 307.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 56.244, 310.151 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(49, 15, 100)` looks like.

```
.text, #text, p{  
    color:rgb(49, 15, 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(49, 15, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 15, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 56.244, 310.151 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(49, 15, 100) }
```

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

```
.border{ border-color:rgb(49, 15, 100) }
```

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

Here you see how a box with a 4 pixel rgb(49, 15, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 15, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 15, 100);  
box-shadow:4px 4px 4px 4px rgb(49, 15,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 56.244, 310.151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 15, 100) }
```

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

```
.background{ background-color: rgb(49, 15,  
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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