

Converting Colors

CIELCh(15, 62.635, 310.723)

Have a look what the booklet for
CIELCh(15, 62.635, 310.723)
contains.

CIELCh(15, 62.828, 310.731)	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>	26

Color

CIELCh(15, 62.828, 310.731)

Conversions

Conversions Part 1

Format	Color
Hex	32086B
RGB	50, 8, 107
RGB Percent	20%, 3%, 42%
CMY	0.8042, 0.9689, 0.5806
CMYK	0.53, 0.93, 0.00, 0.58
HSL	265°, 86%, 23%
HSV	265°, 93%, 42%
XYZ	4.0484, 1.9086, 14.0470
YIQ	31.8440, -6.7470, 39.6930

Conversions

Conversions Part 2

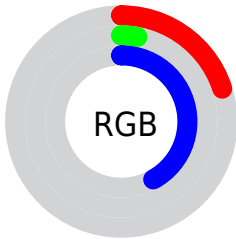
Format	Color
R_{YB}	50, 8, 107
Decimal	3278955
CIE _{Lab}	15.00, 41.00, -47.61
CIE _{LCh}	15, 62.828, 310.731
Yxy	1.9086, 0.2024, 0.0954
Android (android.graphics.Color)	4281469035 (0xFF32086B)
YUV	31.8440, 37.0519, 15.9228
Hunter-Lab	13.8151, 28.1313, -50.6145

Details

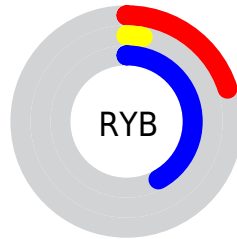
The CIELCh color **15, 62.828, 310.731** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **41, 53.386, 124.146**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 62.826, 310.911**, and **3, 39.369, 299.508** is the 20% darker color. If you saturate the color by 10%, you get **13, 66.506, 310.869**, and if you desaturate by 10%, it is **17, 57.845, 310.680**.

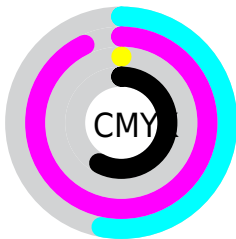
Distribution



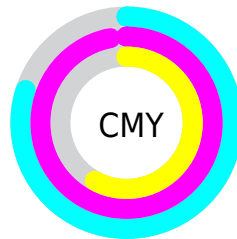
- Red (20%)
- Green (3%)
- Blue (42%)



- Red (20%)
- Yellow (3%)
- Blue (42%)



- Cyan (53%)
- Magenta (93%)
- Yellow (0%)
- Black (58%)





- Cyan (80%)
- Magenta (97%)
- Yellow (58%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 62.828, 310.731 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, 62.828, 310.731 by changing the saturation by 10% instead.

 15, 62.828,
310.731


 15, 62.828,
310.731


 100, 62.828,
310.731


 5, 62.828, 310.731


 35, 62.828,
310.731

 0, 62.828, 310.731

 45, 62.828,
310.731


 55, 62.828,
310.731


 65, 62.828,
310.731


 75, 62.828,
310.731


 85, 62.828,

310.731


 95, 62.828,
310.731

 15, 62.828,
310.731


 15, 62.828,
310.731


 13, 66.506,
310.869

 17, 57.845,
310.680

 20, 51.667,
310.355

 23, 44.744,
309.856

 26, 37.464,
309.269

 30, 30.081,
308.656

■ 33, 22.751,
308.054

■ 37, 15.558,
307.486

■ 41, 8.546, 306.961

■ 44, 1.735, 306.461

Harmonies

Complementary

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



15, 62.828, 310.731



41, 53.386, 124.146

Rectangle

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



15, 62.828, 310.731



15, 62.828, 0.731



15, 62.828, 130.731



15, 62.828, 180.731

Sweetspot

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



15, 62.828, 310.732



46, 24.299, 307.834



27, 28.849, 268.834



22, 16.981, 308.028



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, 62.828, 310.732



19, 81.059, 310.558



23, 59.259, 325.165



20, 3.800, 306.781



15, 71.112, 310.754



37, 123.202, 310.124

Inverse Universe

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



23, 44.781, 351.460



30, 55.656, 354.199



39, 60.399, 135.849



21, 3.269, 340.391



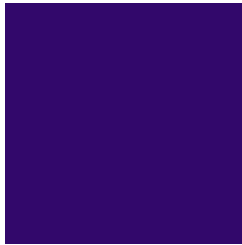
24, 49.075, 353.565



53, 83.655, 355.685

Previews

White Background



This preview shows how the CIE LCh color 15, 62.828, 310.731 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, 62.828, 310.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

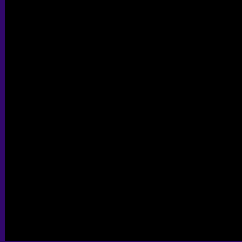
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 62.828, 310.731

Background



This preview shows how black text looks on a background with the CIELCh color 15, 62.828, 310.731.



This preview shows how white text looks on a background with the CIELCh color 15, 62.828, 310.731.

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, 62.828, 310.731

Protanopia

16, 29.899, 281.560

Tritanopia

16, 5.578, 220.666

Trichromacy

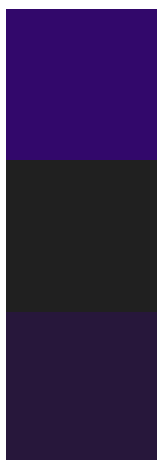


Original Color
15, 62.828, 310.731

Protanomaly
14, 43.518, 297.959

Tritanomaly
14, 27.110, 302.229

Monochromacy



Original Color
15, 62.828, 310.731

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 26.604, 310.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 62.828, 310.731 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, 8, 107)` looks like.

```
.text, #text, p{  
    color:rgb(50, 8, 107)  
}
```

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, 8, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 8, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 62.828, 310.731 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, 8, 107) }
```

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

```
.border{ border-color:rgb(50, 8, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 8, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 8, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 8, 107);  
box-shadow:4px 4px 4px 4px rgb(50, 8, 107)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 62.828, 310.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 8, 107) }
```

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

```
.background{ background-color: rgb(50, 8,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor