

Converting Colors

CIELCh(15, 30.993, 312.816)

Have a look what the booklet for
CIELCh(15, 30.993, 312.816)
contains.

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Color

CIELCh(15, 31.062, 312.889)

Conversions

Conversions Part 1

Format	Color
Hex	321B46
RGB	50, 27, 70
RGB Percent	20%, 11%, 27%
CMY	0.8037, 0.8939, 0.7253
CMYK	0.29, 0.61, 0.00, 0.73
HSL	272°, 44%, 19%
HSV	272°, 61%, 27%
XYZ	2.8185, 1.9086, 6.0235
YIQ	38.7790, -0.0950, 18.2490

Conversions

Conversions Part 2

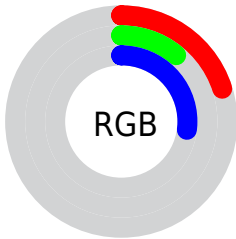
Format	Color
R_{YB}	50, 27, 70
Decimal	3283782
CIE _{Lab}	15.00, 21.14, -22.76
CIE _{LCh}	15, 31.062, 312.889
Yxy	1.9086, 0.2622, 0.1775
Android (android.graphics.Color)	4281473862 (0xFF321B46)
YUV	38.7790, 15.3920, 9.8408
Hunter-Lab	13.8151, 12.2397, -16.1802




Details

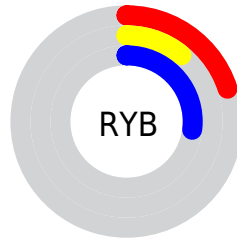
The CIELCh color **15, 31.062, 312.889** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **27, 28.851, 127.811**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 31.589, 312.999**, and **1, 13.319, 288.988** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.918, 313.232**, and if you desaturate by 10%, it is **17, 25.977, 312.474**.

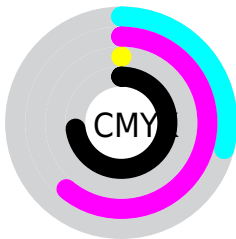
Distribution







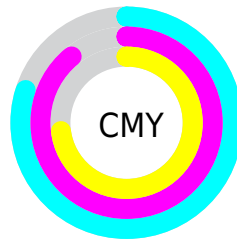
-  Red (20%)
-  Green (11%)
-  Blue (27%)






-  Red (20%)
-  Yellow (11%)
-  Blue (27%)



-  Cyan (29%)
-  Magenta (61%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (80%)
-  Magenta (89%)
-  Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 31.062, 312.889 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, 31.062, 312.889 by changing the saturation by 10% instead.

■ 15, 31.062,
312.889

■ 15, 31.062,
312.889

■ 100, 31.062,
312.889

■ 5, 31.062, 312.889

■ 35, 31.062,
312.889

■ 0, 31.062, 312.889

■ 45, 31.062,
312.889


■ 55, 31.062,
312.889


■ 65, 31.062,
312.889


■ 75, 31.062,
312.889


■ 85, 31.062,


312.889


 95, 31.062,
312.889


 15, 31.062,
312.889

 15, 31.062,
312.889


 13, 35.918,
313.232

 17, 25.977,
312.474


 11, 40.347,
313.448

 20, 20.807,
312.026

 9, 44.348, 313.570

 22, 15.644,
311.573

 8, 48.321, 313.939

 24, 10.548,
311.131

 27, 5.550, 310.709

■ 29, 0.671, 310.240

■ 32, 4.082, 129.990

■ 34, 8.706, 129.659

■ 37, 13.202,
129.365

Harmonies

Complementary

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



15, 31.062, 312.889



27, 28.851, 127.811

Rectangle

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



15, 31.062, 312.889



15, 31.062, 2.889



15, 31.062, 132.889



15, 31.062, 182.889

Sweetspot

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



15, 31.061, 312.889



33, 11.076, 311.017



19, 16.770, 269.825



15, 7.597, 311.081



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15, 31.061, 312.889



17, 46.268, 313.374



18, 31.998, 328.238



13, 2.750, 310.595



14, 61.731, 313.386



37, 113.557, 312.571

Inverse Universe

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



17, 23.461, 351.987



21, 33.943, 354.838



26, 32.281, 140.675



13, 2.147, 346.171



20, 42.455, 2.419



49, 77.309, 6.038

Previews

White Background



This preview shows how the CIE LCh color 15, 31.062, 312.889 looks on a white background.

Color Contrast Check

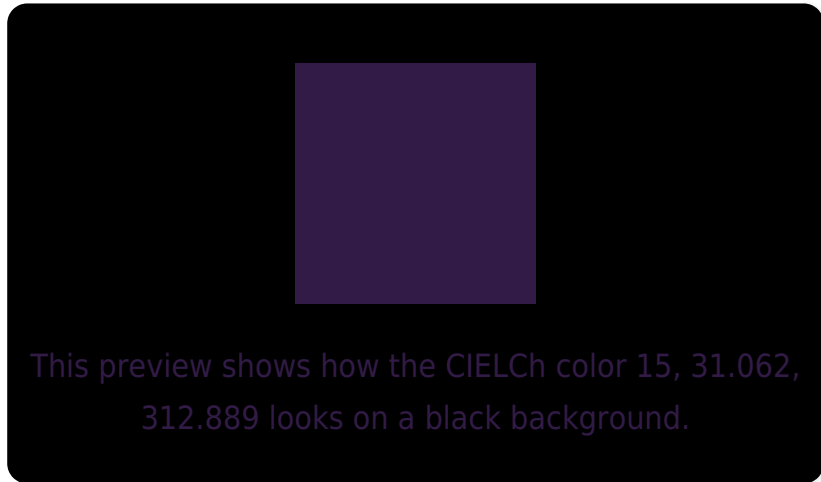
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

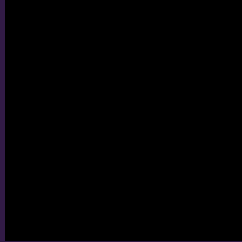
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 31.062, 312.889

Background



This preview shows how black text looks on a background with the CIELCh color 15, 31.062, 312.889.



This preview shows how white text looks on a background with the CIELCh color 15, 31.062, 312.889.

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, 31.062, 312.889

Protanopia

15, 30.010, 282.635

Deuteranopia

15, 21.273, 274.541



Tritanopia
15, 4.462, 352.343

Trichromacy



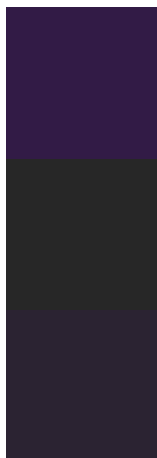
Original Color
15, 31.062, 312.889

Protanomaly
14, 30.502, 290.607

Deuteranomaly
15, 24.064, 289.563

Tritanomaly
15, 13.380, 318.974

Monochromacy



Original Color
15, 31.062, 312.889

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 11.230, 311.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 31.062, 312.889 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, 27, 70)` looks like.

```
.text, #text, p{  
    color:rgb(50, 27, 70)  
}
```

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, 27, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 27, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 31.062, 312.889 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, 27, 70) }
```

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

```
.border{ border-color:rgb(50, 27, 70) }
```

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

Here you see how a box with a 4 pixel rgb(50, 27, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 27, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 27, 70);  
box-shadow:4px 4px 4px 4px rgb(50, 27, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 31.062, 312.889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 27, 70) }
```

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

```
.background{ background-color: rgb(50, 27,  
70) }
```

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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