

Converting Colors

CIELCh(15, 16.062, 327.638)

Have a look what the booklet for
CIELCh(15, 16.062, 327.638)
contains.

CIELCh(15, 16.062, 327.638)	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>	27

Color

CIELCh(15, 16.062, 327.638)

Conversions

Conversions Part 1

Format	Color
Hex	331F32
RGB	51, 31, 50
RGB Percent	20%, 12%, 20%
CMY	0.8003, 0.8787, 0.8042
CMYK	0.00, 0.39, 0.02, 0.80
HSL	303°, 24%, 16%
HSV	303°, 39%, 20%
XYZ	2.4246, 1.9086, 3.2509
YIQ	39.1460, 5.8210, 10.1490

Conversions

Conversions Part 2

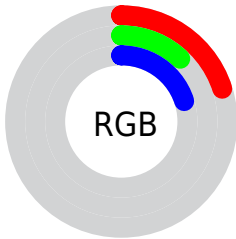
Format	Color
R_{YB}	51, 31, 50
Decimal	3350322
CIE _{Lab}	15.00, 13.57, -8.60
CIE _{LCh}	15, 16.062, 327.638
Yxy	1.9086, 0.3197, 0.2517
Android (android.graphics.Color)	4281540402 (0xFF331F32)
YUV	39.1460, 5.3510, 10.3960
Hunter-Lab	13.8151, 7.1512, -4.2812

Details

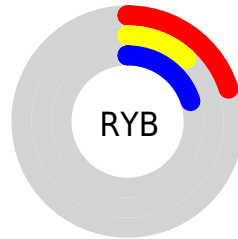
The CIELCh color **15, 16.062, 327.638** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 16.066, 143.423**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 16.203, 328.131**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 19.985, 328.089**, and if you desaturate by 10%, it is **16, 12.006, 327.172**.

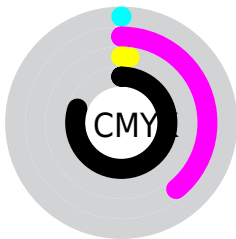
Distribution



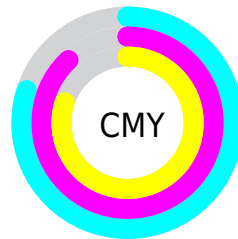
- Red (20%)
- Green (12%)
- Blue (20%)



- Red (20%)
- Yellow (12%)
- Blue (20%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (80%)



- Cyan (80%)
- Magenta (88%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 16.062, 327.638 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, 16.062, 327.638 by changing the saturation by 10% instead.

■ 15, 16.062,
327.638

■ 15, 16.062,
327.638

■ 100, 16.062,
327.638

■ 5, 16.062, 327.638

■ 35, 16.062,
327.638

■ 0, 16.062, 327.638

■ 45, 16.062,
327.638


■ 55, 16.062,
327.638


■ 65, 16.062,
327.638


■ 75, 16.062,
327.638


■ 85, 16.062,


327.638


 95, 16.062,
327.638

 15, 16.062,
327.638


 15, 16.062,
327.638

 14, 19.985,
328.089

 16, 12.006,
327.172


 12, 23.685,
328.518

 18, 7.893, 326.697

 11, 27.052,
328.917

 20, 3.778, 326.212

 21, 0.298, 146.123

 10, 29.970,
329.280

 23, 4.309, 145.342

 9, 32.666, 329.618

 25, 8.236, 144.887

■ 8, 35.639, 329.956

■ 26, 12.070,
144.455

■ 8, 35.873, 329.981

■ 28, 15.806,
144.042

■ 30, 19.441,
143.648

Harmonies

Complementary

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



15, 16.062, 327.638



19, 16.066, 143.423

Rectangle

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



15, 16.062, 327.638



15, 16.062, 17.638



15, 16.062, 147.638



15, 16.062, 197.638

Sweetspot

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



15, 16.061, 327.638



26, 6.121, 326.378



13, 14.432, 295.376



11, 3.972, 326.374



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



15, 16.061, 327.638



19, 23.784, 328.099



15, 11.679, 348.721



8, 2.256, 326.161



19, 51.807, 330.169



51, 98.257, 330.347

Inverse Universe

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



15, 16.061, 327.638



19, 23.784, 328.099



19, 11.137, 162.328



8, 2.256, 326.161



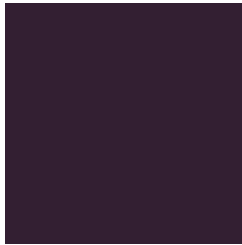
19, 51.807, 330.169



51, 98.257, 330.347

Previews

White Background



This preview shows how the CIE LCh color 15, 16.062, 327.638 looks on a white background.

Color Contrast Check

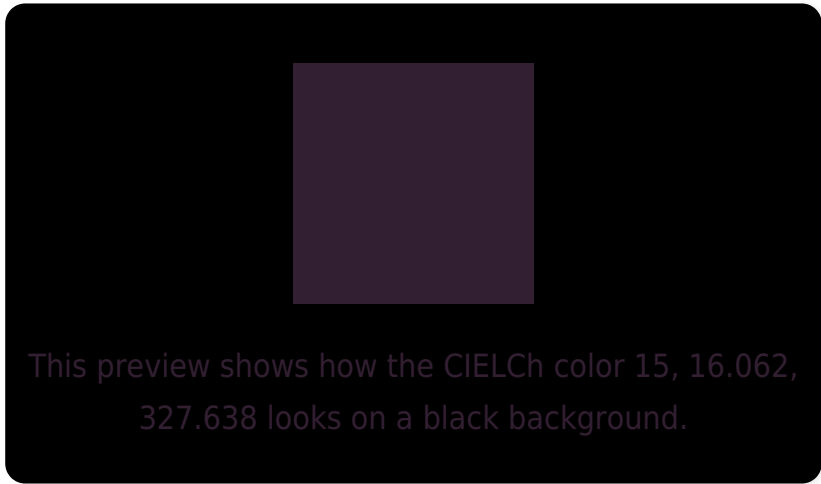
Large Text (above 18pt) WCAG AA ✓ Pass

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, 16.062, 327.638

Background



This preview shows how black text looks on a background with the CIELCh color 15, 16.062, 327.638.



This preview shows how white text looks on a background with the CIELCh color 15, 16.062, 327.638.

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

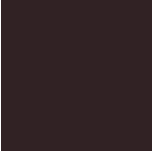
15, 16.062, 327.638

Protanopia

15, 12.806, 284.668

Deuteranopia

15, 8.487, 289.555



Tritanopia
15, 7.716, 11.037

Trichromacy



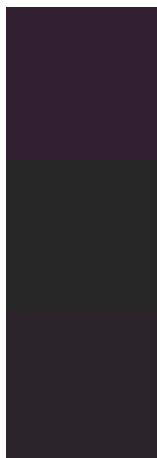
Original Color
15, 16.062, 327.638

Protanomaly
15, 12.907, 301.099

Deuteranomaly
15, 10.316, 307.773

Tritanomaly
15, 9.963, 347.958

Monochromacy



Original Color
15, 16.062, 327.638

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 5.974, 325.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 16.062, 327.638 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(51, 31, 50)` looks like.

```
.text, #text, p{  
    color:rgb(51, 31, 50)  
}
```

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(51, 31, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 31, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 16.062, 327.638 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(51, 31, 50) }
```

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

```
.border{ border-color:rgb(51, 31, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 31, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 31, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 31, 50);  
box-shadow:4px 4px 4px 4px rgb(51, 31, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 16.062, 327.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 31, 50) }
```

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

```
.background{ background-color: rgb(51, 31,  
50) }
```

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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