

# Converting Colors

CIELCh(15, 15.911, 355.743)

Have a look what the booklet for  
CIELCh(15, 15.911, 355.743)  
contains.

<b>CIELCh(15, 15.911, 355.743)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(15, 15.911, 355.743)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3A1D28
RGB	58, 29, 40
RGB Percent	23%, 11%, 16%
CMY	0.7737, 0.8873, 0.8442
CMYK	0.00, 0.50, 0.31, 0.77
HSL	337°, 34%, 17%
HSV	337°, 50%, 23%
XYZ	2.5401, 1.9086, 2.2190
YIQ	38.9250, 13.7530, 9.5690

# Conversions

## Conversions Part 2

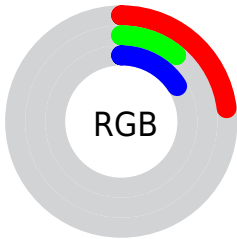
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	58, 29, 40
Decimal	3808552
CIE Lab	15.00, 15.87, -1.18
CIE LCh	15, 15.911, 355.743
Yxy	1.9086, 0.3810, 0.2862
Android (android.graphics.Color)	4281998632 (0xFF3A1D28)
YUV	38.9250, 0.5300, 16.7288
Hunter-Lab	13.8151, 8.6427, 0.1476

# Details

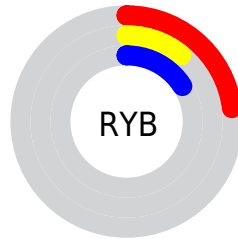
The CIELCh color **15, 15.911, 355.743** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **22, 14.508, 166.159**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 16.129, 354.808**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **13, 18.988, 357.271**, and if you desaturate by 10%, it is **17, 12.714, 354.447**.

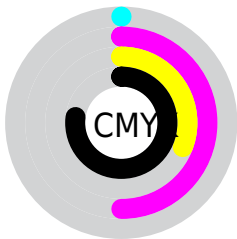
# Distribution



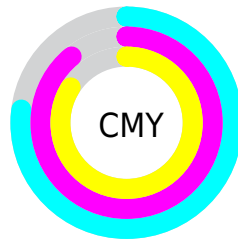
- Red (23%)
- Green (11%)
- Blue (16%)



- Red (23%)
- Yellow (11%)
- Blue (16%)



- Cyan (0%)
- Magenta (50%)
- Yellow (31%)
- Black (77%)




- Cyan (77%)
- Magenta (89%)
- Yellow (84%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 15, 15.911, 355.743 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, 15.911, 355.743 by changing the saturation by 10% instead.




 15, 15.911,  
355.743


 15, 15.911,  
355.743


 100, 15.911,  
355.743


 5, 15.911, 355.743


 35, 15.911,  
355.743

 0, 15.911, 355.743

 45, 15.911,  
355.743


 55, 15.911,  
355.743


 65, 15.911,  
355.743


 75, 15.911,  
355.743


 85, 15.911,


355.743


 95, 15.911,  
355.743

 15, 15.911,  
355.743

 15, 15.911,  
355.743

 13, 18.988,  
357.271

 17, 12.714,  
354.447

 12, 21.843,  
359.096

 19, 9.481, 353.323

 11, 24.358, 1.314

 20, 6.272, 352.332

 10, 26.677, 3.712

 22, 3.124, 351.429

 9, 29.323, 5.387

 24, 0.062, 347.685

 26, 2.902, 170.056

■ 28, 5.763, 169.373

■ 30, 8.522, 168.763

■ 32, 11.182,  
168.204

# Harmonies

# Complementary

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



15, 15.911, 355.743



22, 14.508, 166.159

# Rectangle

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



15, 15.911, 355.743



15, 15.911, 45.743



15, 15.911, 175.743



15, 15.911, 225.743

# Sweetspot

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



15, 15.910, 355.745



28, 5.696, 351.916



14, 21.779, 314.934



13, 3.927, 351.979



68, 0.008, 296.813



15, 0.003, 296.813





# Same Dimension

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



15, 15.910, 355.745



18, 23.221, 357.694



16, 14.093, 32.336



9, 1.652, 351.258



17, 40.087, 9.632



47, 76.138, 14.314



# Inverse Universe

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



15, 15.910, 355.745



18, 23.221, 357.694



21, 10.187, 210.755



9, 1.652, 351.258



17, 40.087, 9.632

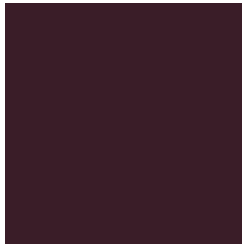


47, 76.138, 14.314



# Previews

## White Background



This preview shows how the CIE LCh color 15, 15.911, 355.743 looks on a white background.

## Color Contrast Check

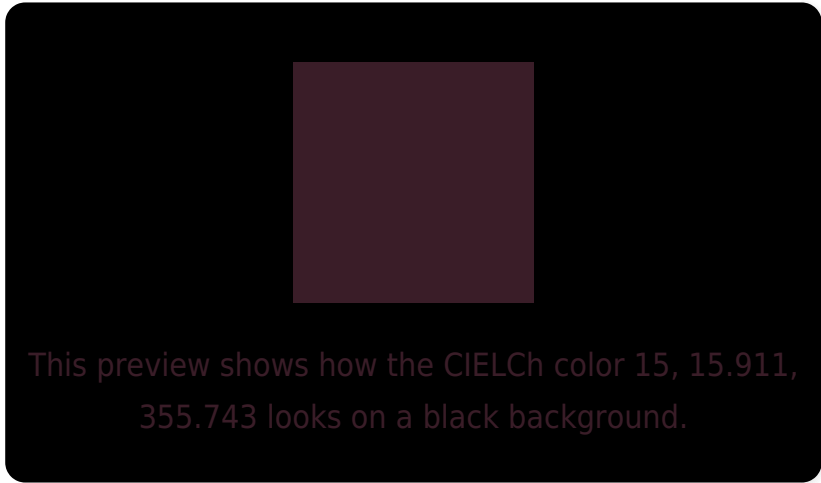
Large Text (above 18pt) WCAG AA ✓ Pass

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

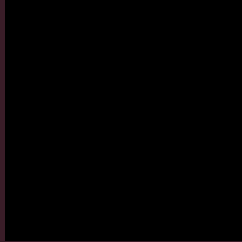
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**CIELCh 15, 15.911, 355.743**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 15, 15.911, 355.743.



This preview shows how white text looks on a background with the CIELCh color 15, 15.911, 355.743.

# 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, 15.911, 355.743

**Protanopia**  
15, 4.949, 286.266

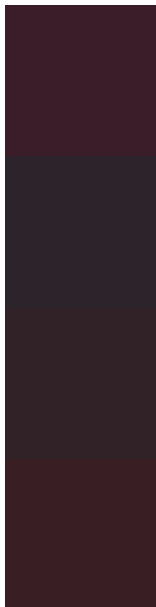
**Deuteranopia**  
15, 2.562, 4.074





**Tritanopia**  
15, 14.138, 17.871

# Trichromacy



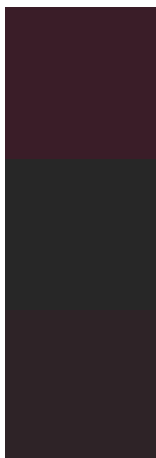
**Original Color**  
15, 15.911, 355.743

**Protanomaly**  
15, 7.397, 331.653

**Deuteranomaly**  
15, 7.737, 354.577

**Tritanomaly**  
15, 14.109, 9.424

# Monochromacy



**Original Color**  
15, 15.911, 355.743

**Achromatopsia**  
16, 0.003, 296.813

**Achromatomaly**  
15, 6.101, 353.615

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 15, 15.911, 355.743 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(58, 29, 40)` looks like.

```
.text, #text, p{  
    color:rgb(58, 29, 40)  
}
```

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(58, 29, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 29, 40) }
```

## Border

The CSS property to change the border of an element to CIELCh 15, 15.911, 355.743 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(58, 29, 40) }
```

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

```
.border{ border-color:rgb(58, 29, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 29, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 29, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 29, 40);  
box-shadow:4px 4px 4px 4px rgb(58, 29, 40)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 15, 15.911, 355.743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 29, 40) }
```

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

```
.background{ background-color: rgb(58, 29,  
40) }
```

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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