

Converting Colors

CIElCh(15, 29.359, 7.915)

Have a look what the booklet for
CIELCh(15, 29.359, 7.915) contains.

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Color

CIELCh(15, 29.307, 8.037)

Conversions

Conversions Part 1

Format	Color
Hex	4A0F21
RGB	74, 15, 33
RGB Percent	29%, 6%, 13%
CMY	0.7097, 0.9411, 0.8705
CMYK	0.00, 0.80, 0.55, 0.71
HSL	342°, 66%, 17%
HSV	342°, 80%, 29%
XYZ	3.2712, 1.9086, 1.6359
YIQ	34.6930, 29.3860, 18.1060

Conversions

Conversions Part 2

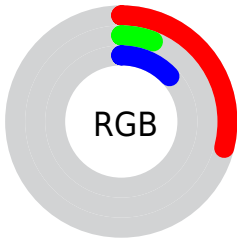
Format	Color
R_YB	74, 15, 33
Decimal	4853537
CIE Lab	15.00, 29.02, 4.10
CIE LCh	15, 29.307, 8.037
Yxy	1.9086, 0.4800, 0.2800
Android (android.graphics.Color)	4283043617 (0xFF4A0F21)
YUV	34.6930, -0.8346, 34.4722
Hunter-Lab	13.8151, 18.0896, 2.6499




Details

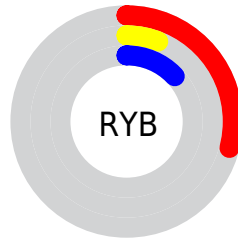
The CIELCh color **15, 29.307, 8.037** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **28, 24.167, 166.916**, and the grayscale version is **14, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 29.095, 8.080**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **14, 31.960, 11.360**, and if you desaturate by 10%, it is **16, 26.188, 5.294**.

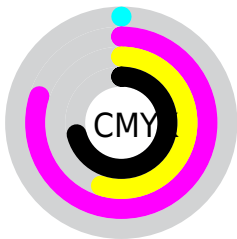
Distribution







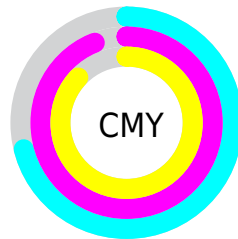
-  Red (29%)
-  Green (6%)
-  Blue (13%)






-  Red (29%)
-  Yellow (6%)
-  Blue (13%)



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (55%)
-  Black (71%)




-  Cyan (71%)
-  Magenta (94%)
-  Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 29.307, 8.037 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, 29.307, 8.037 by changing the saturation by 10% instead.

 15, 29.307, 8.037  15, 29.307, 8.037

 100, 29.307, 8.037  5, 29.307, 8.037

 35, 29.307, 8.037  0, 29.307, 8.037

 45, 29.307, 8.037

 55, 29.307, 8.037

 65, 29.307, 8.037

 75, 29.307, 8.037

 85, 29.307, 8.037

 95, 29.307, 8.037

 15, 29.307, 8.037  15, 29.307, 8.037

■ 14, 31.960, 11.360

■ 16, 26.188, 5.294

■ 13, 34.833, 14.350

■ 18, 22.674, 3.073

■ 13, 34.923, 14.424

■ 20, 18.904, 1.255

■ 22, 15.014,
359.745

■ 24, 11.107,
358.466

■ 27, 7.258, 357.360

■ 29, 3.513, 356.371

■ 32, 0.102, 177.891

■ 34, 3.575, 174.905

Harmonies

Complementary

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



15, 29.307, 8.037



28, 24.167, 166.916

Rectangle

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



15, 29.307, 8.037



15, 29.307, 58.037



15, 29.307, 188.037



15, 29.307, 238.037

Sweetspot

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



15, 29.305, 8.039



34, 11.141, 357.920



14, 41.247, 317.752



15, 7.570, 358.123



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



15, 29.305, 8.039



19, 41.103, 15.304



17, 28.873, 39.861



14, 2.072, 356.274



20, 43.950, 17.172



48, 81.157, 21.535

Inverse Universe

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



15, 29.305, 8.039



19, 41.103, 15.304



24, 16.123, 223.952



14, 2.072, 356.274



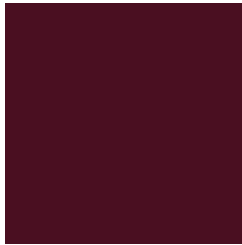
20, 43.950, 17.172



48, 81.157, 21.535

Previews

White Background



This preview shows how the CIE LCh color 15, 29.307, 8.037 looks on a white background.

Color Contrast Check

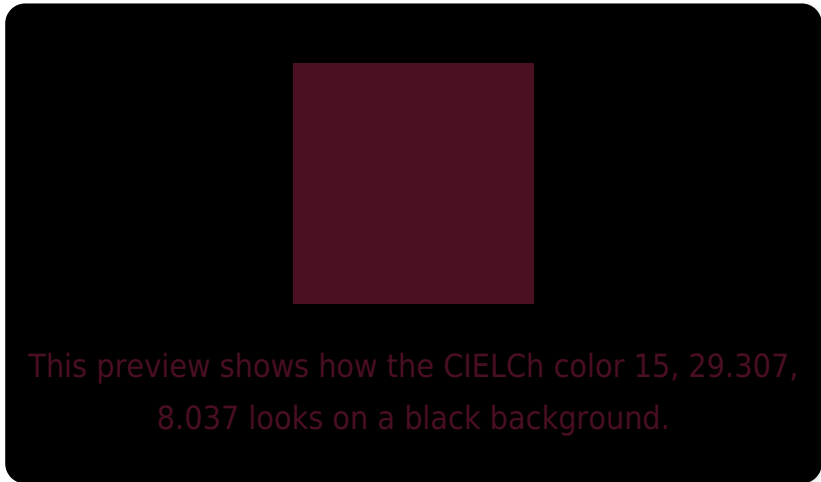
Large Text (above 18pt) WCAG AA ✓ Pass

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

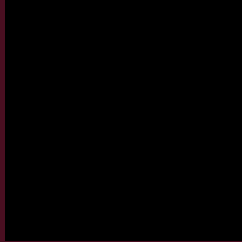
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 29.307, 8.037

Background



This preview shows how black text looks on a background with the CIELCh color 15, 29.307, 8.037.



This preview shows how white text looks on a background with the CIELCh color 15, 29.307, 8.037.

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, 29.307, 8.037

Protanopia

16, 4.216, 291.312

Deuteranopia

16, 7.393, 68.624



Tritanopia
15, 29.315, 29.087

Trichromacy



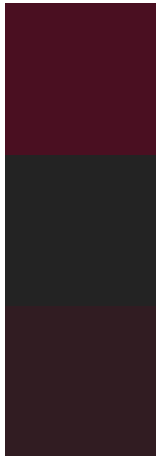
Original Color
15, 29.307, 8.037

Protanomaly
15, 13.057, 347.080

Deuteranomaly
15, 14.223, 20.654

Tritanomaly
15, 28.549, 21.978

Monochromacy



Original Color
15, 29.307, 8.037

Achromatopsia
14, 0.003, 296.813

Achromatomaly
13, 11.396, 1.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 29.307, 8.037 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(74, 15, 33)` looks like.

```
.text, #text, p{  
    color:rgb(74, 15, 33)  
}
```

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(74, 15, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 15, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 29.307, 8.037 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(74, 15, 33) }
```

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

```
.border{ border-color:rgb(74, 15, 33) }
```

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

Here you see how a box with a 4 pixel rgb(74, 15, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 15, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 15, 33);  
box-shadow:4px 4px 4px 4px rgb(74, 15, 33)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 29.307, 8.037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 15, 33) }
```

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

```
.background{ background-color: rgb(74, 15,  
33) }
```

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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