

Converting Colors

CIELCh(15, 28.414, 341.363)

Have a look what the booklet for
CIELCh(15, 28.414, 341.363)
contains.

CIELCh(15, 28.669, 341.259)	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, 28.669, 341.259)

Conversions

Conversions Part 1

Format	Color
Hex	431333
RGB	67, 19, 51
RGB Percent	26%, 7%, 20%
CMY	0.7367, 0.9250, 0.7995
CMYK	0.00, 0.71, 0.24, 0.74
HSL	320°, 56%, 17%
HSV	320°, 71%, 26%
XYZ	3.1597, 1.9086, 3.3483
YIQ	37.0000, 18.3360, 20.1280

Conversions

Conversions Part 2

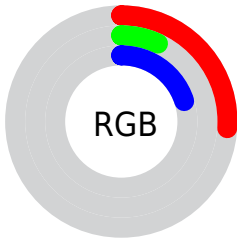
Format	Color
R_{YB}	67, 19, 51
Decimal	4395827
CIE _{Lab}	15.00, 27.15, -9.21
CIE _{LCh}	15, 28.669, 341.259
Yxy	1.9086, 0.3754, 0.2268
Android (android.graphics.Color)	4282585907 (0xFF431333)
YUV	37.0000, 6.9020, 26.3100
Hunter-Lab	13.8151, 16.6482, -4.6993




Details

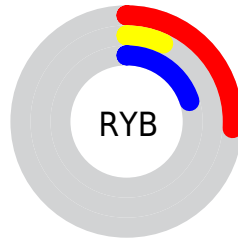
The CIELCh color **15, 28.669, 341.259** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **25, 28.679, 148.948**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **35, 28.745, 341.553**, and **1, 3.704, 13.155** is the 20% darker color. If you saturate the color by 10%, you get **14, 31.335, 342.418**, and if you desaturate by 10%, it is **16, 25.382, 340.246**.

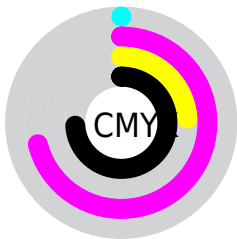
Distribution







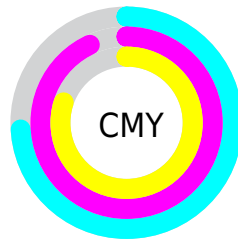
-  Red (26%)
-  Green (7%)
-  Blue (20%)






-  Red (26%)
-  Yellow (7%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (71%)
-  Yellow (24%)
-  Black (74%)





-  Cyan (74%)
-  Magenta (93%)
-  Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 28.669, 341.259 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, 28.669, 341.259 by changing the saturation by 10% instead.

 15, 28.669,
341.259


 15, 28.669,
341.259


 100, 28.669,
341.259


 5, 28.669, 341.259


 35, 28.669,
341.259

 0, 28.669, 341.259

 45, 28.669,
341.259


 55, 28.669,
341.259


 65, 28.669,
341.259


 75, 28.669,
341.259


 85, 28.669,


341.259


 95, 28.669,
341.259


 15, 28.669,
341.259


 15, 28.669,
341.259


 14, 31.335,
342.418


 16, 25.382,
340.246

 13, 33.467,
343.690

 18, 21.643,
339.340

 12, 35.462,
344.656

 20, 17.605,
338.515

 22, 13.399,
337.752

 24, 9.124, 337.039

■ 26, 4.851, 336.360

■ 28, 0.629, 335.513

■ 30, 3.511, 155.225

■ 33, 7.552, 154.644

Harmonies

Complementary

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



15, 28.669, 341.259



25, 28.679, 148.948

Rectangle

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



15, 28.669, 341.259



15, 28.669, 31.259



15, 28.669, 161.259



15, 28.669, 211.259

Sweetspot

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



15, 28.668, 341.259



31, 11.025, 337.064



11, 34.779, 307.658



14, 7.347, 337.132



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



15, 28.668, 341.259



18, 39.131, 343.482



14, 24.880, 16.208



12, 2.317, 336.157



20, 45.056, 345.894



50, 81.910, 347.765

Inverse Universe

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



15, 28.668, 341.259



18, 39.131, 343.482



25, 18.284, 179.603



12, 2.317, 336.157



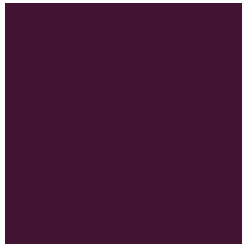
20, 45.056, 345.894



50, 81.910, 347.765

Previews

White Background



This preview shows how the CIELCh color 15, 28.669, 341.259 looks on a white background.

Color Contrast Check

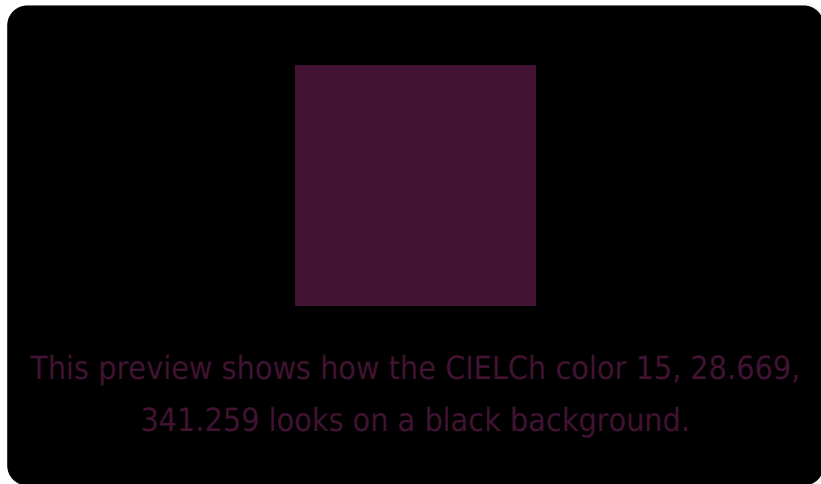
Large Text (above 18pt) WCAG AA ✓ Pass

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

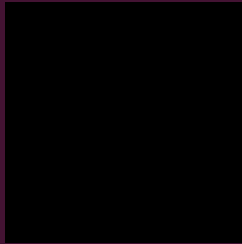
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 28.669, 341.259

Background



This preview shows how black text looks on a background with the CIELCh color 15, 28.669, 341.259.



This preview shows how white text looks on a background with the CIELCh color 15, 28.669, 341.259.

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, 28.669, 341.259

Protanopia

16, 19.796, 285.253

Deuteranopia

16, 7.047, 292.072



Tritanopia
15, 20.674, 22.021

Trichromacy



Original Color
15, 28.669, 341.259

Protanomaly
14, 21.754, 307.004

Deuteranomaly
15, 15.063, 326.087

Tritanomaly
15, 21.854, 5.086

Monochromacy



Original Color
15, 28.669, 341.259

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 11.219, 338.760

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 28.669, 341.259 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(67, 19, 51)` looks like.

```
.text, #text, p{  
    color:rgb(67, 19, 51)  
}
```

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(67, 19, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 19, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 28.669, 341.259 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(67, 19, 51) }
```

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

```
.border{ border-color:rgb(67, 19, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 19, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 19, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 19, 51);  
box-shadow:4px 4px 4px 4px rgb(67, 19, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 28.669, 341.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 19, 51) }
```

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

```
.background{ background-color: rgb(67, 19,  
51) }
```

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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