

Converting Colors

CIELCh(15, 28.333, 338.877)

Have a look what the booklet for
CIELCh(15, 28.333, 338.877)
contains.

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Color

CIELCh(15, 28.249, 339.541)

Conversions

Conversions Part 1

Format	Color
Hex	421434
RGB	66, 20, 52
RGB Percent	26%, 8%, 20%
CMY	0.7411, 0.9215, 0.7960
CMYK	0.00, 0.70, 0.21, 0.74
HSL	318°, 53%, 17%
HSV	318°, 70%, 26%
XYZ	3.1196, 1.9086, 3.4557
YIQ	37.4020, 17.1440, 19.7040

Conversions

Conversions Part 2

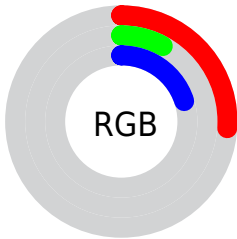
Format	Color
RYB	66, 20, 52
Decimal	4330548
CIELab	15.00, 26.47, -9.87
CIELCh	15, 28.249, 339.541
Yxy	1.9086, 0.3677, 0.2250
Android (android.graphics.Color)	4282520628 (0xFF421434)
YUV	37.4020, 7.1968, 25.0804
Hunter-Lab	13.8151, 16.1310, -5.1603

Details

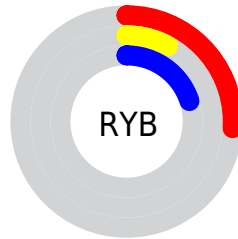
The CIELCh color **15, 28.249, 339.541** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 28.331, 148.117**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 28.526, 339.221**, and **1, 3.303, 357.919** is the 20% darker color. If you saturate the color by 10%, you get **14, 31.057, 340.559**, and if you desaturate by 10%, it is **16, 24.853, 338.635**.

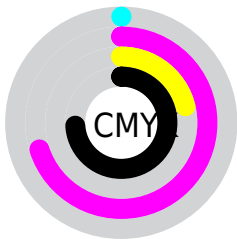
Distribution



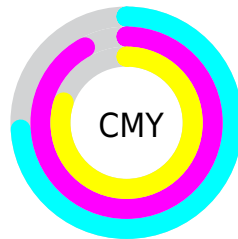
- Red (26%)
- Green (8%)
- Blue (20%)



- Red (26%)
- Yellow (8%)
- Blue (20%)



- Cyan (0%)
- Magenta (70%)
- Yellow (21%)
- Black (74%)





- Cyan (74%)
- Magenta (92%)
- Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 28.249, 339.541 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, 28.249, 339.541 by changing the saturation by 10% instead.

 15, 28.249,
339.541


 15, 28.249,
339.541


 100, 28.249,
339.541


 5, 28.249, 339.541


 35, 28.249,
339.541

 0, 28.249, 339.541

 45, 28.249,
339.541


 55, 28.249,
339.541


 65, 28.249,
339.541


 75, 28.249,
339.541


 85, 28.249,


339.541


 95, 28.249,
339.541


 15, 28.249,
339.541


 15, 28.249,
339.541


 14, 31.057,
340.559


 16, 24.853,
338.635


 13, 33.258,
341.688

 18, 21.034,
337.810

 12, 35.613,
342.708

 20, 16.941,
337.047

 12, 35.697,
342.739

 22, 12.697,
336.334

 24, 8.395, 335.659

■ 26, 4.102, 335.008

■ 28, 0.136, 155.583

■ 30, 4.291, 153.917

■ 32, 8.346, 153.361

Harmonies

Complementary

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



15, 28.249, 339.541



24, 28.331, 148.117

Rectangle

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



15, 28.249, 339.541



15, 28.249, 29.541



15, 28.249, 159.541



15, 28.249, 209.541

Sweetspot

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



15, 28.248, 339.541



31, 11.252, 335.808



11, 33.422, 306.646



14, 7.498, 335.873



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, 28.248, 339.541



19, 39.392, 341.478



14, 23.808, 13.094



12, 2.366, 334.933



20, 45.850, 343.872



50, 83.375, 345.497

Inverse Universe

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



15, 28.248, 339.541



19, 39.392, 341.478



25, 18.229, 176.866



12, 2.366, 334.933



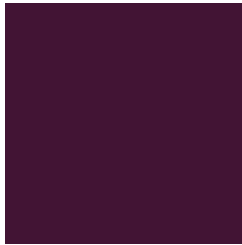
20, 45.850, 343.872



50, 83.375, 345.497

Previews

White Background



This preview shows how the CIELCh color 15, 28.249, 339.541 looks on a white background.

Color Contrast Check

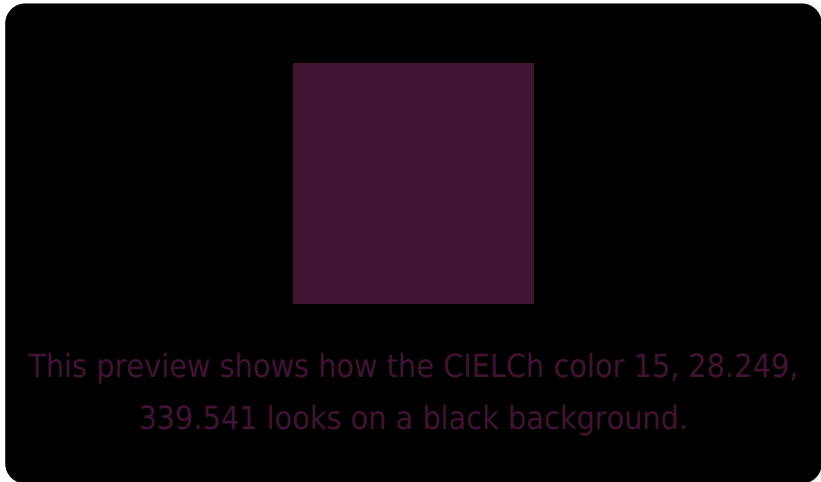
Large Text (above 18pt) WCAG AA ✓ Pass

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

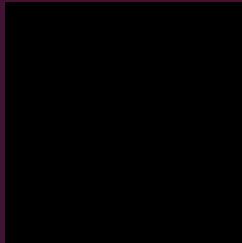
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 28.249, 339.541

Background



This preview shows how black text looks on a background with the CIELCh color 15, 28.249, 339.541.



This preview shows how white text looks on a background with the CIELCh color 15, 28.249, 339.541.

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, 28.249, 339.541

Protanopia

16, 19.839, 284.384

Deuteranopia

16, 7.749, 292.253



Tritanopia
15, 19.562, 21.349

Trichromacy



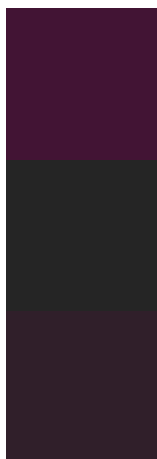
Original Color
15, 28.249, 339.541

Protanomaly
14, 21.701, 305.962

Deuteranomaly
15, 15.424, 323.077

Tritanomaly
15, 21.517, 2.580

Monochromacy



Original Color
15, 28.249, 339.541

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, 28.249, 339.541 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(66, 20, 52)` looks like.

```
.text, #text, p{  
    color:rgb(66, 20, 52)  
}
```

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(66, 20, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 20, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 28.249, 339.541 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(66, 20, 52) }
```

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

```
.border{ border-color:rgb(66, 20, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 20, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 20, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 20, 52);  
box-shadow:4px 4px 4px 4px rgb(66, 20, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 28.249, 339.541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 20, 52) }
```

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

```
.background{ background-color: rgb(66, 20,  
52) }
```

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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