

Converting Colors

CIELCh(13, 28.485, 346.769)

Have a look what the booklet for
CIELCh(13, 28.485, 346.769)
contains.

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Color

CIELCh(13, 28.485, 346.769)

Conversions

Conversions Part 1

Format	Color
Hex	400D2B
RGB	64, 13, 43
RGB Percent	25%, 5%, 17%
CMY	0.7484, 0.9484, 0.8308
CMYK	0.00, 0.79, 0.33, 0.75
HSL	325°, 66%, 15%
HSV	325°, 79%, 25%
XYZ	2.7089, 1.5625, 2.4573
YIQ	31.6690, 20.7660, 20.1420

Conversions

Conversions Part 2

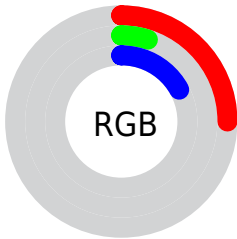
Format	Color
R_{YB}	64, 13, 43
Decimal	4197675
CIE Lab	13.00, 27.73, -6.52
CIE LCh	13, 28.485, 346.769
Yxy	1.5625, 0.4026, 0.2322
Android (android.graphics.Color)	4282387755 (0xFF400D2B)
YUV	31.6690, 5.5862, 28.3543
Hunter-Lab	12.5000, 16.8080, -2.9057




Details

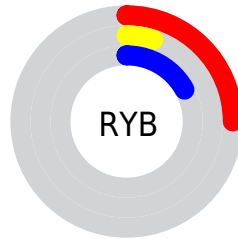
The CIELCh color **13, 28.485, 346.769** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **23, 28.235, 151.105**, and the grayscale version is **12, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 28.225, 347.192**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 30.615, 348.379**, and if you desaturate by 10%, it is **14, 25.826, 345.359**.

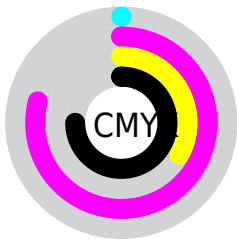
Distribution







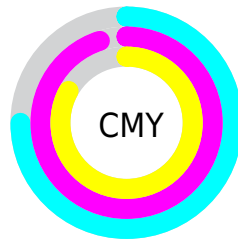
-  Red (25%)
-  Green (5%)
-  Blue (17%)






-  Red (25%)
-  Yellow (5%)
-  Blue (17%)



-  Cyan (0%)
-  Magenta (79%)
-  Yellow (33%)
-  Black (75%)





-  Cyan (75%)
-  Magenta (95%)
-  Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 28.485, 346.769 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 13, 28.485, 346.769 by changing the saturation by 10% instead.

 13, 28.485,
346.769


 13, 28.485,
346.769


 100, 28.485,
346.769


 3, 28.485, 346.769


 33, 28.485,
346.769

 0, 28.485, 346.769

 43, 28.485,
346.769

 53, 28.485,
346.769


 63, 28.485,
346.769


 73, 28.485,
346.769


 83, 28.485,


346.769


 93, 28.485,
346.769


 13, 28.485,
346.769


 13, 28.485,
346.769


 12, 30.615,
348.379


 14, 25.826,
345.359


 11, 32.959,
349.797

 16, 22.649,
344.152

 11, 33.090,
349.863

 17, 19.107,
343.099

 19, 15.337,
342.161

 21, 11.451,
341.312

■ 23, 7.532, 340.531

■ 25, 3.638, 339.793

■ 27, 0.192, 160.047

■ 29, 3.936, 158.599

Harmonies

Complementary

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



13, 28.485, 346.769



23, 28.235, 151.105

Rectangle

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



13, 28.485, 346.769



13, 28.485, 36.769



13, 28.485, 166.769



13, 28.485, 216.769

Sweetspot

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



13, 28.484, 346.770



30, 11.663, 340.960



9, 37.037, 309.783



13, 8.089, 341.088



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



13, 28.484, 346.770



17, 38.341, 350.287



12, 27.018, 22.810



12, 2.191, 339.725



19, 43.267, 351.821



49, 78.766, 354.412

Inverse Universe

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



13, 28.484, 346.770



17, 38.341, 350.287



24, 17.867, 185.434



12, 2.191, 339.725



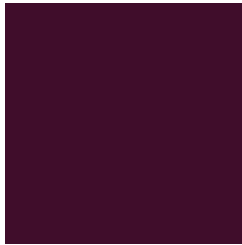
19, 43.267, 351.821



49, 78.766, 354.412

Previews

White Background



This preview shows how the CIELCh color 13, 28.485, 346.769 looks on a white background.

Color Contrast Check

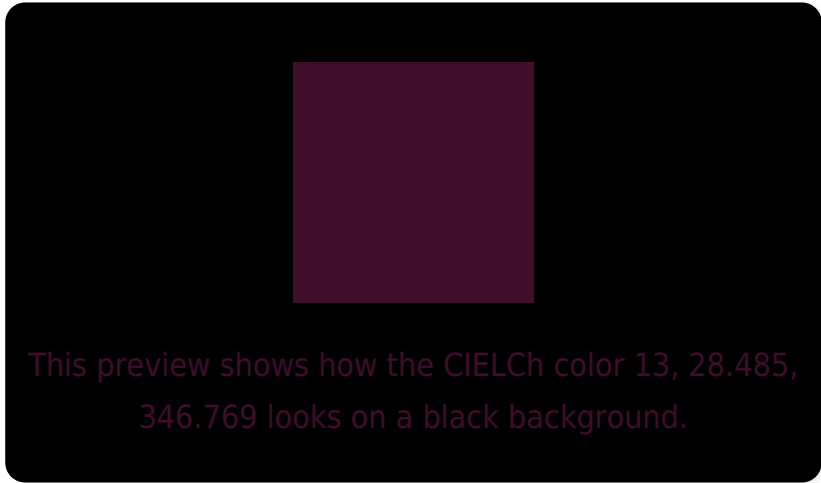
Large Text (above 18pt) WCAG AA ✓ Pass

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

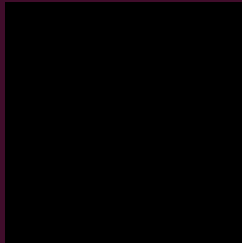
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 28.485, 346.769

Background



This preview shows how black text looks on a background with the CIELCh color 13, 28.485, 346.769.



This preview shows how white text looks on a background with the CIELCh color 13, 28.485, 346.769.

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

13, 28.485, 346.769

Protanopia

14, 16.545, 283.282

Deuteranopia

14, 3.703, 305.994



Tritanopia
13, 23.440, 25.708

Trichromacy



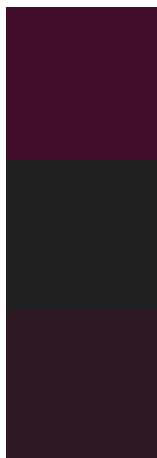
Original Color
13, 28.485, 346.769

Protanomaly
13, 19.507, 311.146

Deuteranomaly
13, 13.698, 336.859

Tritanomaly
13, 23.396, 9.938

Monochromacy



Original Color
13, 28.485, 346.769

Achromatopsia
12, 0.003, 296.813

Achromatomaly
12, 12.141, 342.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 28.485, 346.769 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(64, 13, 43)` looks like.

```
.text, #text, p{  
    color:rgb(64, 13, 43)  
}
```

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(64, 13, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 13, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 28.485, 346.769 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(64, 13, 43) }
```

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

```
.border{ border-color:rgb(64, 13, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 13, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 13, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 13, 43);  
box-shadow:4px 4px 4px 4px rgb(64, 13, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 28.485, 346.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 13, 43) }
```

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

```
.background{ background-color: rgb(64, 13,  
43) }
```

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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