

Converting Colors

CIELCh(2, 73.835, 345.709)

Have a look what the booklet for
CIELCh(2, 73.835, 345.709) contains.

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Color

CIELCh(13, 35.305, 358.184)

Conversions

Conversions Part 1

Format	Color
Hex	4A0024
RGB	74, 0, 36
RGB Percent	29%, 0%, 14%
CMY	0.7100, 1.0000, 0.8582
CMYK	0.00, 1.00, 0.51, 0.71
HSL	331°, 100%, 15%
HSV	331°, 100%, 29%
XYZ	3.1313, 1.5625, 1.8181
YIQ	26.2300, 32.5480, 26.8840

Conversions

Conversions Part 2

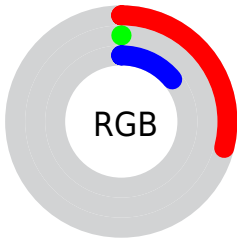
Format	Color
R_{YB}	74, 0, 36
Decimal	4849700
CIE _{Lab}	13.00, 35.29, -1.12
CIE _{LCh}	13, 35.305, 358.184
Yxy	1.5625, 0.4809, 0.2399
Android (android.graphics.Color)	4283039780 (0xFF4A0024)
YUV	26.2300, 4.8166, 41.8943
Hunter-Lab	12.5000, 22.8400, 0.1265

Details

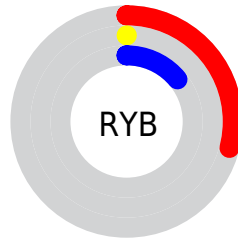
The CIELCh color **13, 35.305, 358.184** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **27, 34.226, 152.246**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 34.974, 359.208**, and **1, 3.677, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 34.943, 358.459**, and if you desaturate by 10%, it is **14, 32.659, 356.264**.

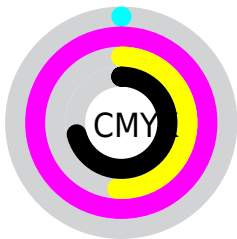
Distribution



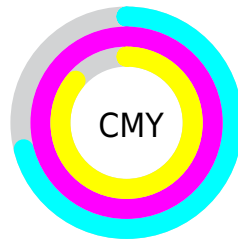
- Red (29%)
- Green (0%)
- Blue (14%)



- Red (29%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (71%)





- Cyan (71%)
- Magenta (100%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 35.305, 358.184 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, 35.305, 358.184 by changing the saturation by 10% instead.

 13, 35.305,
358.184


 13, 35.305,
358.184


 100, 35.305,
358.184


 3, 35.305, 358.184


 33, 35.305,
358.184

 0, 35.305, 358.184

 43, 35.305,
358.184


 53, 35.305,
358.184


 63, 35.305,
358.184


 73, 35.305,
358.184


 83, 35.305,

358.184


 93, 35.305,
358.184


 13, 35.305,
358.184


 13, 35.305,
358.184


 13, 34.943,
358.459

 14, 32.659,
356.264

 15, 30.498,
353.903

 17, 27.683,
351.937

 18, 24.294,
350.314

 20, 20.504,
348.946

■ 22, 16.471,
347.768

■ 24, 12.325,
346.735

■ 27, 8.159, 345.810

■ 29, 4.038, 344.958

Harmonies

Complementary

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



13, 35.305, 358.184



27, 34.226, 152.246

Rectangle

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



13, 35.305, 358.184



13, 35.305, 48.184



13, 35.305, 178.184



13, 35.305, 228.184

Sweetspot

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



13, 34.943, 358.459



32, 15.426, 346.850



8, 50.507, 313.040



14, 10.390, 347.054



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



13, 34.943, 358.459



19, 41.873, 0.146



12, 38.043, 30.556



14, 2.314, 344.849



20, 43.378, 0.433



49, 78.074, 3.741

Inverse Universe

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



13, 34.943, 358.459



19, 41.873, 0.146



28, 20.494, 196.386



14, 2.314, 344.849



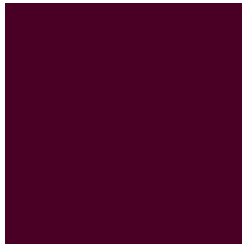
20, 43.378, 0.433



49, 78.074, 3.741

Previews

White Background



This preview shows how the CIELCh color 13, 35.305, 358.184 looks on a white background.

Color Contrast Check

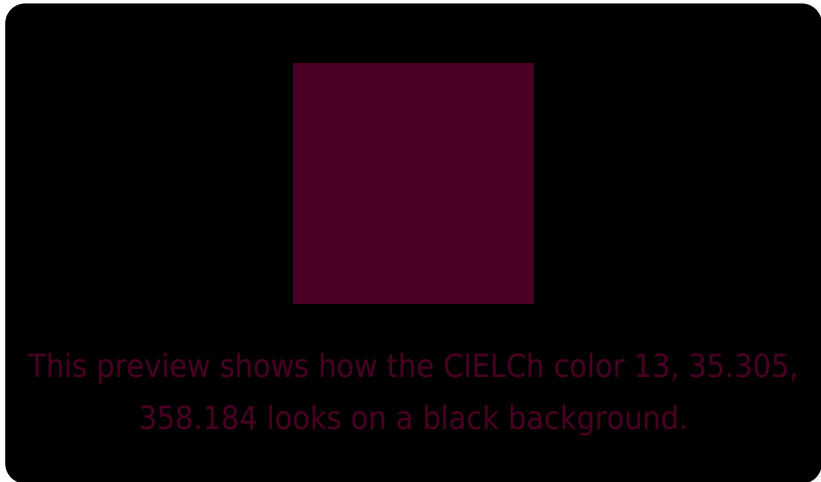
Large Text (above 18pt) WCAG AA ✓ Pass

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

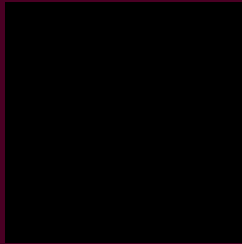
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 35.305, 358.184

Background



This preview shows how black text looks on a background with the CIELCh color 13, 35.305, 358.184.



This preview shows how white text looks on a background with the CIELCh color 13, 35.305, 358.184.

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, 34.937, 358.665

Protanopia

15, 9.956, 283.182

Deuteranopia

15, 4.582, 57.627



Tritanopia
14, 31.869, 29.931

Trichromacy



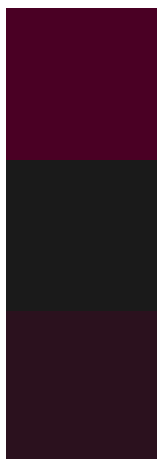
Original Color
13, 34.937, 358.665

Protanomaly
13, 19.082, 330.405

Deuteranomaly
13, 16.808, 0.611

Tritanomaly
14, 31.767, 18.957

Monochromacy



Original Color
13, 34.937, 358.665

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 15.747, 348.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 35.305, 358.184 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, 0, 36)` looks like.

```
.text, #text, p{  
    color:rgb(74, 0, 36)  
}
```

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, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 0, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 35.305, 358.184 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, 0, 36) }
```

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

```
.border{ border-color:rgb(74, 0, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 0, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 0, 36); -webkit-box-shadow:4px  
4px 4px 4px rgb(74, 0, 36); box-shadow:4px  
4px 4px 4px rgb(74, 0, 36) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 35.305, 358.184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 0, 36) }
```

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

```
.background{ background-color: rgb(74, 0,  
36) }
```

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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