

Converting Colors

CIELCh(13, 34.207, 359.669)

Have a look what the booklet for
CIELCh(13, 34.207, 359.669)
contains.

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Color

CIELCh(13, 34.175, 359.482)

Conversions

Conversions Part 1

Format	Color
Hex	490123
RGB	73, 1, 35
RGB Percent	29%, 0%, 14%
CMY	0.7135, 0.9959, 0.8626
CMYK	0.00, 0.99, 0.52, 0.71
HSL	332°, 97%, 15%
HSV	332°, 99%, 29%
XYZ	3.0665, 1.5625, 1.7330
YIQ	26.4040, 31.9980, 25.8380

Conversions

Conversions Part 2

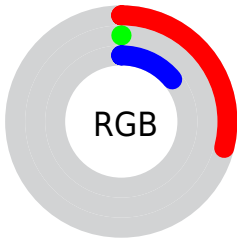
Format	Color
R_YB	73, 1, 35
Decimal	4784419
CIE Lab	13.00, 34.17, -0.31
CIE LCh	13, 34.175, 359.482
Yxy	1.5625, 0.4820, 0.2456
Android (android.graphics.Color)	4282974499 (0xFF490123)
YUV	26.4040, 4.2378, 40.8647
Hunter-Lab	12.5000, 21.9145, 0.5299

Details

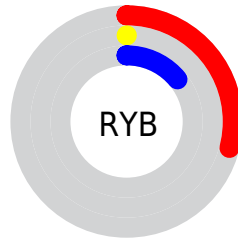
The CIELCh color **13, 34.175, 359.482** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **27, 32.980, 153.375**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 34.124, 359.322**, and **1, 2.773, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 34.530, 359.783**, and if you desaturate by 10%, it is **14, 31.898, 357.180**.

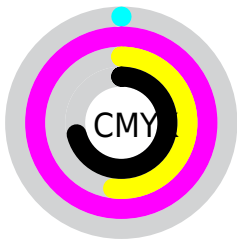
Distribution



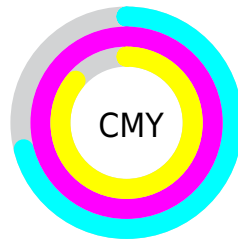
- Red (29%)
- Green (0%)
- Blue (14%)



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



- Cyan (0%)
- Magenta (99%)
- Yellow (52%)
- Black (71%)





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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 34.175, 359.482 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, 34.175, 359.482 by changing the saturation by 10% instead.

 13, 34.175,
359.482

 13, 34.175,
359.482


 100, 34.175,
359.482


 3, 34.175, 359.482

 33, 34.175,
359.482

 0, 34.175, 359.482

 43, 34.175,
359.482

 53, 34.175,
359.482


 63, 34.175,
359.482


 73, 34.175,
359.482


 83, 34.175,


359.482


 93, 34.175,
359.482


 13, 34.175,
359.482


 13, 34.175,
359.482


 13, 34.530,
359.783

 14, 31.898,
357.180

 15, 29.658,
354.772

 17, 26.765,
352.794

 18, 23.344,
351.161

 20, 19.562,
349.784

■ 22, 15.571,
348.601

■ 24, 11.491,
347.562

■ 27, 7.408, 346.633

■ 29, 3.381, 345.773

Harmonies

Complementary

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



13, 34.175, 359.482



27, 32.980, 153.375

Rectangle

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



13, 34.175, 359.482



13, 34.175, 49.482



13, 34.175, 179.482



13, 34.175, 229.482

Sweetspot

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



13, 34.173, 359.483



32, 14.940, 347.817



8, 49.195, 313.359



14, 10.288, 348.036



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, 34.173, 359.483



18, 40.987, 1.474



12, 36.889, 31.020



13, 2.157, 345.772



20, 42.498, 1.788



49, 77.327, 5.348

Inverse Universe

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



13, 34.173, 359.483



18, 40.987, 1.474



27, 19.775, 198.748



13, 2.157, 345.772



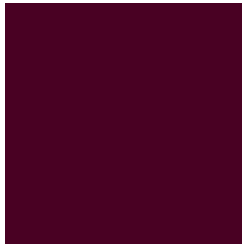
20, 42.498, 1.788



49, 77.327, 5.348

Previews

White Background



This preview shows how the CIELCh color 13, 34.175, 359.482 looks on a white background.

Color Contrast Check

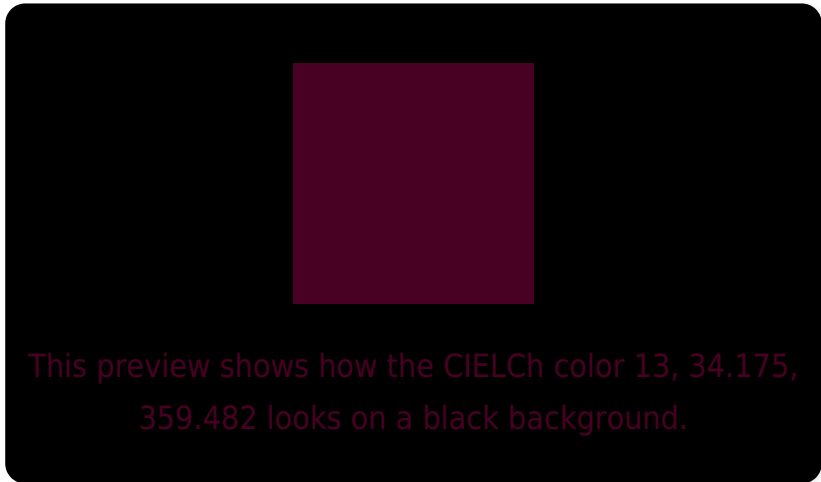
Large Text (above 18pt) WCAG AA ✓ Pass

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

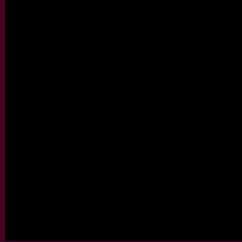
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 34.175, 359.482

Background



This preview shows how black text looks on a background with the CIELCh color 13, 34.175, 359.482.



This preview shows how white text looks on a background with the CIELCh color 13, 34.175, 359.482.

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, 34.175, 359.482

Protanopia

15, 9.945, 285.587

Deuteranopia

15, 5.035, 53.985



Tritanopia
14, 31.377, 29.745

Trichromacy



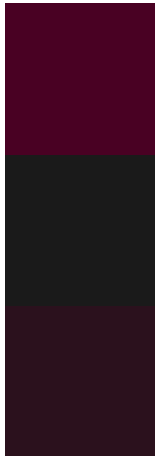
Original Color
13, 34.175, 359.482

Protanomaly
12, 18.341, 330.513

Deuteranomaly
13, 17.298, 1.650

Tritanomaly
13, 31.336, 18.555

Monochromacy



Original Color
13, 34.175, 359.482

Achromatopsia
9, 0.003, 296.813

Achromatomaly
9, 15.446, 351.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 34.175, 359.482 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(73, 1, 35)` looks like.

```
.text, #text, p{  
    color:rgb(73, 1, 35)  
}
```

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(73, 1, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 1, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 34.175, 359.482 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(73, 1, 35) }
```

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

```
.border{ border-color:rgb(73, 1, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 1, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 1, 35); -webkit-box-shadow:4px  
4px 4px 4px rgb(73, 1, 35); box-shadow:4px  
4px 4px 4px rgb(73, 1, 35) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 34.175, 359.482 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 1, 35) }
```

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

```
.background{ background-color: rgb(73, 1,  
35) }
```

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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