

Converting Colors

CIELCh(13, 35.005, 352.357)

Have a look what the booklet for
CIELCh(13, 35.005, 352.357)
contains.

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Color

CIELCh(13, 34.881, 352.085)

Conversions

Conversions Part 1

Format	Color
Hex	480129
RGB	72, 1, 41
RGB Percent	28%, 0%, 16%
CMY	0.7175, 0.9959, 0.8391
CMYK	0.00, 0.99, 0.43, 0.72
HSL	326°, 97%, 14%
HSV	326°, 99%, 28%
XYZ	3.0882, 1.5625, 2.2402
YIQ	26.7890, 29.4760, 27.4920

Conversions

Conversions Part 2

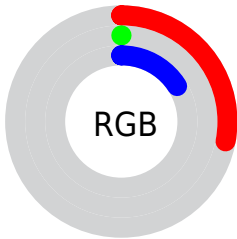
Format	Color
R_{YB}	72, 1, 41
Decimal	4718889
CIE Lab	13.00, 34.55, -4.80
CIE LCh	13, 34.881, 352.085
Yxy	1.5625, 0.4482, 0.2267
Android (android.graphics.Color)	4282908969 (0xFF480129)
YUV	26.7890, 7.0060, 39.6500
Hunter-Lab	12.5000, 22.2248, -1.8758

Details

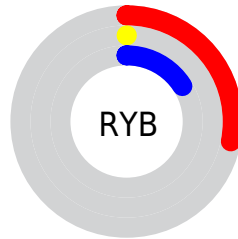
The CIELCh color **13, 34.881, 352.085** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **26, 35.652, 148.969**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 35.051, 352.061**, and **1, 3.057, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **13, 35.224, 352.322**, and if you desaturate by 10%, it is **14, 32.704, 350.305**.

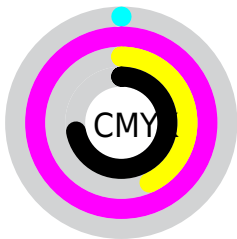
Distribution



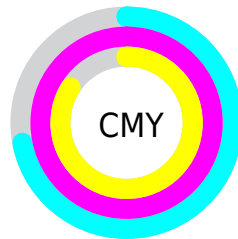
- Red (28%)
- Green (0%)
- Blue (16%)



- Red (28%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (99%)
- Yellow (43%)
- Black (72%)





- Cyan (72%)
- Magenta (100%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 34.881, 352.085 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, 34.881, 352.085 by changing the saturation by 10% instead.

 13, 34.881,
352.085

 13, 34.881,
352.085


 100, 34.881,
352.085


 3, 34.881, 352.085


 33, 34.881,
352.085

 0, 34.881, 352.085

 43, 34.881,
352.085


 53, 34.881,
352.085


 63, 34.881,
352.085


 73, 34.881,
352.085


 83, 34.881,


352.085


 93, 34.881,
352.085

 13, 34.881,
352.085


 13, 34.881,
352.085

 13, 35.224,
352.322

 14, 32.704,
350.305

 15, 30.532,
348.443

 17, 27.656,
346.886

 18, 24.203,
345.569

 20, 20.346,
344.433

■ 22, 16.242,
343.431

■ 24, 12.018,
342.531

■ 26, 7.766, 341.709

■ 29, 3.549, 340.935

Harmonies

Complementary

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



13, 34.881, 352.085



26, 35.652, 148.969

Rectangle

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



13, 34.881, 352.085



13, 34.881, 42.085



13, 34.881, 172.085



13, 34.881, 222.085

Sweetspot

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



13, 34.879, 352.086



32, 15.805, 342.761



7, 49.330, 311.461



14, 10.878, 342.952



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, 34.879, 352.086



19, 42.061, 353.682



12, 36.017, 27.367



13, 2.295, 340.937



20, 43.588, 353.920



49, 78.712, 356.657

Inverse Universe

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



13, 34.879, 352.086



19, 42.061, 353.682



27, 21.049, 187.687



13, 2.295, 340.937



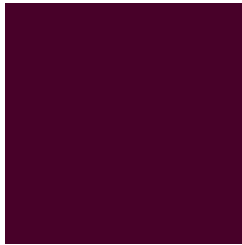
20, 43.588, 353.920



49, 78.712, 356.657

Previews

White Background



This preview shows how the CIE LCh color 13, 34.881, 352.085 looks on a white background.

Color Contrast Check

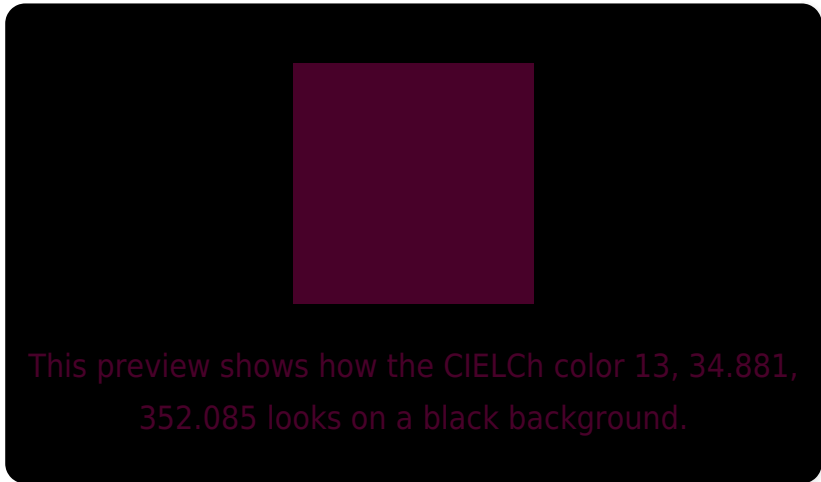
Large Text (above 18pt) WCAG AA ✓ Pass

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

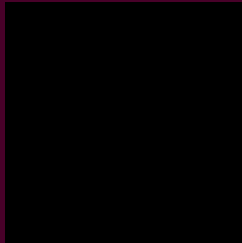
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 34.881, 352.085

Background



This preview shows how black text looks on a background with the CIELCh color 13, 34.881, 352.085.



This preview shows how white text looks on a background with the CIELCh color 13, 34.881, 352.085.

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, 34.881, 352.085

Protanopia

15, 15.647, 284.648

Deuteranopia

15, 2.089, 0.168



Tritanopia
14, 29.702, 28.344

Trichromacy



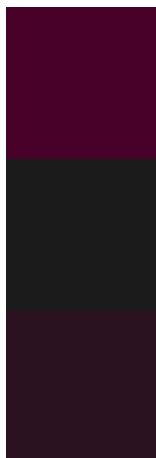
Original Color
13, 34.881, 352.085

Protanomaly
12, 21.816, 319.205

Deuteranomaly
13, 16.865, 346.222

Tritanomaly
14, 29.813, 13.889

Monochromacy



Original Color
13, 34.881, 352.085

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 15.695, 345.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 34.881, 352.085 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(72, 1, 41)` looks like.

```
.text, #text, p{  
    color:rgb(72, 1, 41)  
}
```

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(72, 1, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 1, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 34.881, 352.085 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(72, 1, 41) }
```

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

```
.border{ border-color:rgb(72, 1, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 1, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 1, 41); -webkit-box-shadow:4px  
4px 4px 4px rgb(72, 1, 41); box-shadow:4px  
4px 4px 4px rgb(72, 1, 41) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 34.881, 352.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 1, 41) }
```

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

```
.background{ background-color: rgb(72, 1,  
41) }
```

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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