

Converting Colors

CIELCh(13, 41.649, 332.670)

Have a look what the booklet for
CIELCh(13, 41.649, 332.670)
contains.

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Color

CIELCh(13, 41.579, 332.261)

Conversions

Conversions Part 1

Format	Color
Hex	44003D
RGB	68, 0, 61
RGB Percent	27%, 0%, 24%
CMY	0.7335, 1.0000, 0.7610
CMYK	0.00, 1.00, 0.10, 0.73
HSL	306°, 100%, 13%
HSV	306°, 100%, 27%
XYZ	3.2208, 1.5625, 4.5400
YIQ	27.2860, 20.9470, 33.3870

Conversions

Conversions Part 2

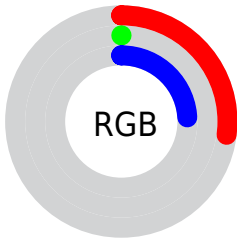
Format	Color
RYB	68, 0, 61
Decimal	4456509
CIELab	13.00, 36.80, -19.35
CIELCh	13, 41.579, 332.261
Yxy	1.5625, 0.3455, 0.1676
Android (android.graphics.Color)	4282646589 (0xFF44003D)
YUV	27.2860, 16.6210, 35.7062
Hunter-Lab	12.5000, 24.1186, -12.7844

Details

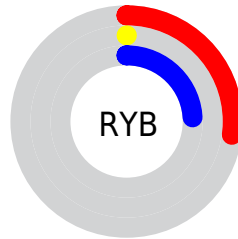
The CIELCh color **13, 41.579, 332.261** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **24, 43.608, 138.505**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **33, 41.578, 332.185**, and **1, 7.886, 308.623** is the 20% darker color. If you saturate the color by 10%, you get **13, 41.558, 332.261**, and if you desaturate by 10%, it is **14, 38.923, 331.840**.

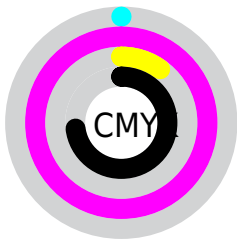
Distribution



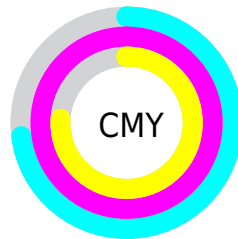
- Red (27%)
- Green (0%)
- Blue (24%)



- Red (27%)
- Yellow (0%)
- Blue (24%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (73%)





- Cyan (73%)
- Magenta (100%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 41.579, 332.261 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, 41.579, 332.261 by changing the saturation by 10% instead.

 13, 41.579,
332.261


 13, 41.579,
332.261


 100, 41.579,
332.261


 3, 41.579, 332.261


 33, 41.579,
332.261

 0, 41.579, 332.261

 43, 41.579,
332.261


 53, 41.579,
332.261


 63, 41.579,
332.261


 73, 41.579,
332.261


 83, 41.579,


332.261


 93, 41.579,
332.261


 13, 41.579,
332.261

 13, 41.579,
332.261


 13, 41.558,
332.261

 14, 38.923,
331.840

 15, 36.369,
331.394

 16, 33.130,
330.929

 17, 29.223,
330.445

 19, 24.816,
329.942

■ 21, 20.067,
329.427

■ 23, 15.116,
328.903

■ 25, 10.071,
328.377

■ 27, 5.014, 327.846

Harmonies

Complementary

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



13, 41.579, 332.261



24, 43.608, 138.505

Rectangle

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



13, 41.579, 332.261



13, 41.579, 22.261



13, 41.579, 152.261



13, 41.579, 202.261

Sweetspot

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



13, 41.558, 332.261



30, 18.953, 328.970



4, 47.605, 304.720



14, 13.035, 329.075



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



13, 41.558, 332.261



19, 49.840, 332.451



11, 32.635, 5.366



12, 2.730, 327.763



21, 52.730, 332.502



52, 96.687, 332.872

Inverse Universe

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



13, 41.558, 332.261



19, 49.840, 332.451



25, 29.284, 157.638



12, 2.730, 327.763



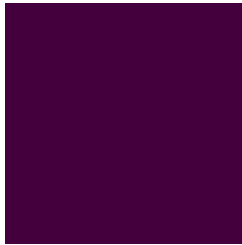
21, 52.730, 332.502



52, 96.687, 332.872

Previews

White Background



This preview shows how the CIELCh color 13, 41.579, 332.261 looks on a white background.

Color Contrast Check

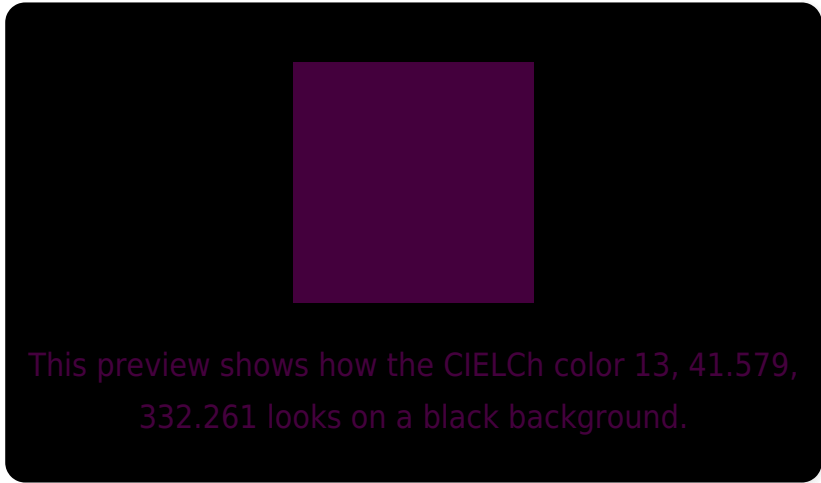
Large Text (above 18pt) WCAG AA ✓ Pass

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

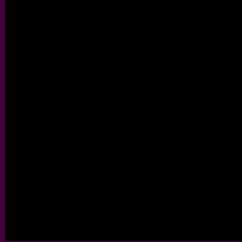
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 41.579, 332.261

Background



This preview shows how black text looks on a background with the CIELCh color 13, 41.579, 332.261.



This preview shows how white text looks on a background with the CIELCh color 13, 41.579, 332.261.

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, 41.579, 332.261

Protanopia

15, 29.368, 281.965

Deuteranopia

15, 13.683, 279.207



Tritanopia
15, 22.051, 24.606

Trichromacy



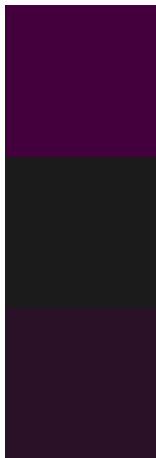
Original Color
13, 41.579, 332.261

Protanomaly
11, 34.548, 299.922

Deuteranomaly
12, 25.387, 313.437

Tritanomaly
13, 26.866, 355.738

Monochromacy



Original Color
13, 41.579, 332.261

Achromatopsia
10, 0.003, 296.813

Achromatomaly
9, 19.360, 330.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 41.579, 332.261 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(68, 0, 61)` looks like.

```
.text, #text, p{  
    color:rgb(68, 0, 61)  
}
```

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(68, 0, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 0, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 41.579, 332.261 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(68, 0, 61) }
```

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

```
.border{ border-color:rgb(68, 0, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 0, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 0, 61); -webkit-box-shadow:4px  
4px 4px 4px rgb(68, 0, 61); box-shadow:4px  
4px 4px 4px rgb(68, 0, 61) }
```

Background

The CSS property to change the background color of an element to CIELCh 13, 41.579, 332.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 0, 61) }
```

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

```
.background{ background-color: rgb(68, 0,  
61) }
```

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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