

Converting Colors

CIELCh(13, 34.671, 299.522)

Have a look what the booklet for
CIELCh(13, 34.671, 299.522)
contains.

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Color

CIELCh(13, 34.865, 299.609)

Conversions

Conversions Part 1

Format	Color
Hex	1C1B4C
RGB	28, 27, 76
RGB Percent	11%, 11%, 30%
CMY	0.8896, 0.8936, 0.7014
CMYK	0.63, 0.64, 0.00, 0.70
HSL	241°, 47%, 20%
HSV	241°, 64%, 30%
XYZ	2.1876, 1.5625, 7.0504
YIQ	32.8850, -15.1330, 15.4510

Conversions

Conversions Part 2

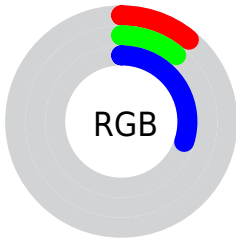
Format	Color
RYB	28, 27, 76
Decimal	1841996
CIELab	13.00, 17.23, -30.31
CIElCh	13, 34.865, 299.609
Yxy	1.5625, 0.2025, 0.1447
Android (android.graphics.Color)	4280032076 (0xFF1C1B4C)
YUV	32.8850, 21.2557, -4.2841
Hunter-Lab	12.5000, 9.3638, -24.6916




Details

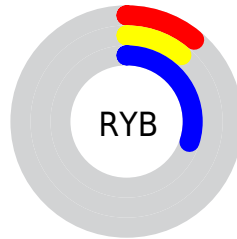
The CIELCh color **13, 34.865, 299.609** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **31, 29.413, 105.814**, and the grayscale version is **13, 0.003, 296.813**.




A 20% lighter version of the original color is **33, 34.817, 299.626**, and **1, 16.932, 288.878** is the 20% darker color. If you saturate the color by 10%, you get **10, 40.780, 301.504**, and if you desaturate by 10%, it is **16, 28.955, 297.803**.

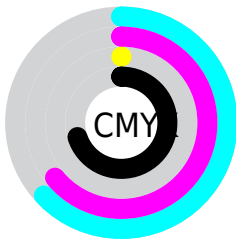
Distribution







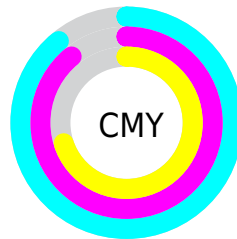
-  Red (11%)
-  Green (11%)
-  Blue (30%)






-  Red (11%)
-  Yellow (11%)
-  Blue (30%)



-  Cyan (63%)
-  Magenta (64%)
-  Yellow (0%)
-  Black (70%)





-  Cyan (89%)
-  Magenta (89%)
-  Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 13, 34.865, 299.609 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, 34.865, 299.609 by changing the saturation by 10% instead.

 13, 34.865,
299.609

 13, 34.865,
299.609

 100, 34.865,
299.609


 3, 34.865, 299.609


 33, 34.865,
299.609

 0, 34.865, 299.609

 43, 34.865,
299.609

 53, 34.865,
299.609

 63, 34.865,
299.609


 73, 34.865,
299.609


 83, 34.865,


299.609

 93, 34.865,
299.609


 13, 34.865,
299.609

 13, 34.865,
299.609


 10, 40.780,
301.504


 16, 28.955,
297.803


 8, 46.389, 303.333

 19, 23.190,
296.158

 6, 51.033, 304.573

 22, 17.623,
294.702

 5, 53.512, 305.027

 25, 12.262,
293.433

 28, 7.100, 292.336

■ 31, 2.127, 291.397

■ 34, 2.671, 110.555

■ 37, 7.306, 109.854

■ 40, 11.788,
109.242

Harmonies

Complementary

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



13, 34.865, 299.609



31, 29.413, 105.814

Rectangle

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



13, 34.865, 299.609



13, 34.865, 349.609



13, 34.865, 119.609



13, 34.865, 169.609

Sweetspot

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



13, 34.865, 299.610



35, 11.817, 292.902



29, 16.618, 198.813



16, 8.225, 293.085



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



13, 34.865, 299.610



14, 52.825, 302.538



16, 34.846, 312.489



14, 2.739, 291.780



9, 68.143, 306.412



29, 123.472, 306.335

Inverse Universe

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



19, 35.882, 328.008



24, 50.417, 328.517



29, 32.066, 127.072



14, 3.265, 325.413



23, 58.056, 329.042



54, 104.942, 329.102

Previews

White Background



This preview shows how the CIE LCh color 13, 34.865, 299.609 looks on a white background.

Color Contrast Check

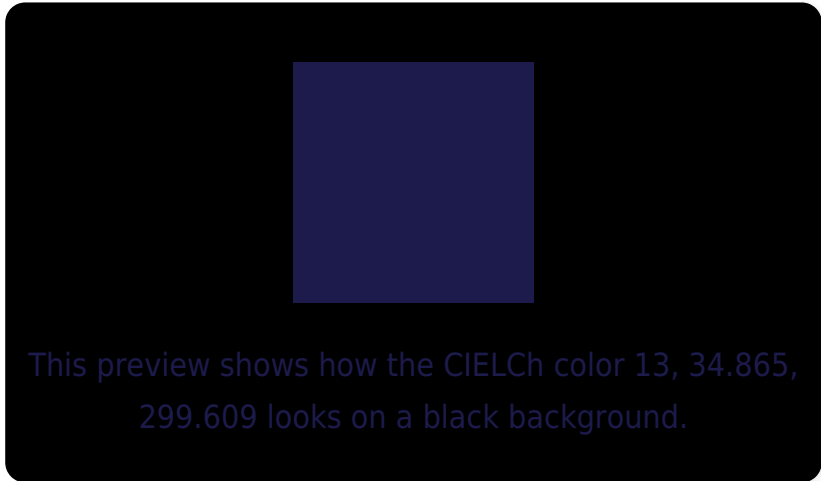
Large Text (above 18pt) WCAG AA ✓ Pass

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

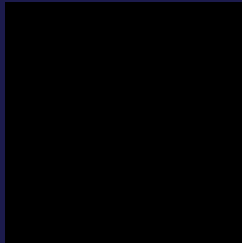
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 13, 34.865, 299.609

Background



This preview shows how black text looks on a background with the CIELCh color 13, 34.865, 299.609.



This preview shows how white text looks on a background with the CIELCh color 13, 34.865, 299.609.

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, 34.865, 299.609

Protanopia

13, 26.349, 280.581

Deuteranopia

13, 19.519, 266.967



Tritanopia
13, 11.534, 207.821

Trichromacy



Original Color
13, 34.865, 299.609

Protanomaly
13, 29.501, 288.275

Deuteranomaly
13, 24.735, 283.438

Tritanomaly
13, 15.450, 268.899

Monochromacy



Original Color
13, 34.865, 299.609

Achromatopsia
13, 0.003, 296.813

Achromatomaly
13, 13.001, 293.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 13, 34.865, 299.609 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(28, 27, 76)` looks like.

```
.text, #text, p{  
    color:rgb(28, 27, 76)  
}
```

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(28, 27, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 27, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 13, 34.865, 299.609 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(28, 27, 76) }
```

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

```
.border{ border-color:rgb(28, 27, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 27, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 27, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 27, 76);  
box-shadow:4px 4px 4px 4px rgb(28, 27, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 13, 34.865, 299.609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 27, 76) }
```

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

```
.background{ background-color: rgb(28, 27,  
76) }
```

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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