

Converting Colors

CIELCh(34, 17.281, 293.060)

Have a look what the booklet for
CIELCh(34, 17.281, 293.060)
contains.

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Color

CIELCh(34, 16.946, 293.008)

Conversions

Conversions Part 1

Format	Color
Hex	4E4E69
RGB	78, 78, 105
RGB Percent	31%, 31%, 41%
CMY	0.6957, 0.6956, 0.5898
CMYK	0.26, 0.26, 0.00, 0.59
HSL	240°, 15%, 36%
HSV	240°, 26%, 41%
XYZ	8.3351, 8.0082, 14.3607
YIQ	81.0780, -8.6670, 8.3970

Conversions

Conversions Part 2

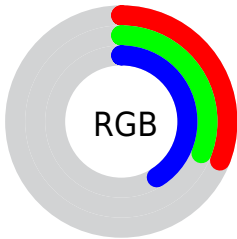
Format	Color
RYB	78, 78, 105
Decimal	5131881
CIELab	34.00, 6.62, -15.60
CIElCh	34, 16.946, 293.008
Yxy	8.0082, 0.2715, 0.2608
Android (android.graphics.Color)	4283321961 (0xFF4E4E69)
YUV	81.0780, 11.7935, -2.6994
Hunter-Lab	28.2988, 3.0526, -10.2785

Details

The CIELCh color $[34, 16.946, 293.008]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[44, 16.005, 107.822]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 16.747, 293.433]$, and $[14, 17.065, 293.503]$ is the 20% darker color. If you saturate the color by 10%, you get $[30, 23.989, 294.446]$, and if you desaturate by 10%, it is $[38, 10.178, 291.772]$.

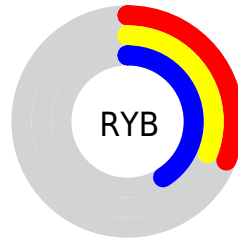
Distribution



Red (31%)

Green (31%)

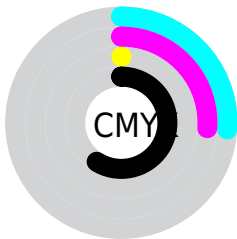
Blue (41%)



Red (31%)

Yellow (31%)

Blue (41%)

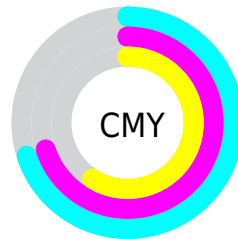


Cyan (26%)

Magenta (26%)

Yellow (0%)

Black (59%)



Cyan (70%)


Magenta (70%)


Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 16.946, 293.008 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 34, 16.946, 293.008 by changing the saturation by 10% instead.


 34, 16.946,
293.008


 34, 16.946,
293.008

 100, 16.946,
293.008


 24, 16.946,
293.008

 54, 16.946,
293.008


 14, 16.946,
293.008


 64, 16.946,
293.008

 4, 16.946, 293.008

 74, 16.946,
293.008

 0, 16.946, 293.008

 84, 16.946,
293.008

 94, 16.946,
293.008

■ 34, 16.946,
293.008

■ 34, 16.946,
293.008

■ 30, 23.989,
294.446

■ 38, 10.178,
291.772

■ 26, 31.316,
296.105

■ 42, 3.670, 290.720

■ 46, 2.598, 109.788

■ 22, 38.903,
297.980

■ 50, 8.642, 109.022

■ 19, 46.641,
300.020

■ 54, 14.479,
108.355

■ 15, 54.246,
302.102

■ 58, 20.121,
107.779

■ 12, 61.117,
304.003

■ 61, 25.582,
107.278

■ 10, 66.831,
305.566

■ 65, 30.874,
106.843

■ 9, 69.483, 306.281

■ 69, 36.005,
106.462

Harmonies

Complementary

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



34, 16.946, 293.008



44, 16.005, 107.822

Rectangle

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



34, 16.946, 293.008



34, 16.946, 343.008



34, 16.946, 113.008



34, 16.946, 163.008

Sweetspot

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



34, 16.945, 293.007



52, 6.272, 290.958



42, 10.406, 196.676



26, 4.502, 291.080



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



34, 16.945, 293.007



41, 25.436, 293.852



35, 17.689, 309.662



20, 3.645, 291.036



11, 75.381, 306.281



31, 129.730, 306.285

Inverse Universe

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



36, 12.199, 21.235



44, 18.484, 21.881



42, 17.086, 127.358



21, 2.547, 19.829



23, 56.945, 37.567



51, 101.380, 39.992

Previews

White Background



This preview shows how the CIE LCh color 34, 16.946, 293.008 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



This preview shows how the CIELCh color 34, 16.946, 293.008 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

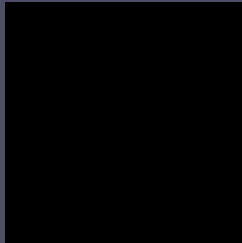
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 16.946, 293.008

Background



This preview shows how black text looks on a background with the CIELCh color 34, 16.946, 293.008.



This preview shows how white text looks on a background with the CIELCh color 34, 16.946, 293.008.

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


34, 16.946, 293.008

Protanopia

34, 17.009, 285.541

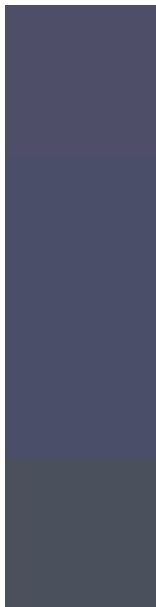
Deuteranopia

34, 15.738, 285.985



Tritanopia
34, 4.674, 252.967

Trichromacy



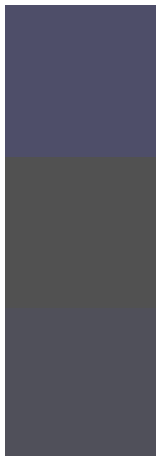
Original Color
34, 16.946, 293.008

Protanomaly
34, 16.963, 289.247

Deuteranomaly
34, 16.340, 288.982

Tritanomaly
34, 8.343, 277.752

Monochromacy



Original Color
34, 16.946, 293.008

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 6.267, 291.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 16.946, 293.008 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(78, 78, 105)` looks like.

```
.text, #text, p{  
    color:rgb(78, 78, 105)  
}
```

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(78, 78, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 78, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 16.946, 293.008 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(78, 78, 105) }
```

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

```
.border{ border-color:rgb(78, 78, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 78, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 78, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 78, 105);  
box-shadow:4px 4px 4px 4px rgb(78, 78,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 16.946, 293.008 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 78, 105) }
```

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

```
.background{ background-color: rgb(78, 78,  
105) }
```

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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