

Converting Colors

CIELCh(34, 32.733, 295.004)

Have a look what the booklet for
CIELCh(34, 32.733, 295.004)
contains.

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Color

CIELCh(34, 32.587, 294.869)

Conversions

Conversions Part 1

Format	Color
Hex	4A4B7F
RGB	74, 75, 127
RGB Percent	29%, 29%, 50%
CMY	0.7100, 0.7061, 0.5022
CMYK	0.42, 0.41, 0.00, 0.50
HSL	239°, 26%, 39%
HSV	239°, 42%, 50%
XYZ	9.1579, 8.0082, 21.1194
YIQ	80.6290, -17.2880, 15.9600

Conversions

Conversions Part 2

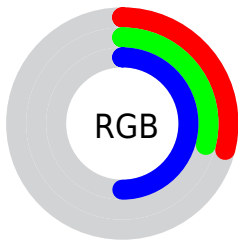
Format	Color
R_{YB}	74, 75, 127
Decimal	4868991
CIE _{Lab}	34.00, 13.70, -29.57
CIE _{LCh}	34, 32.587, 294.869
Yxy	8.0082, 0.2392, 0.2092
Android (android.graphics.Color)	4283059071 (0xFF4A4B7F)
YUV	80.6290, 22.8609, -5.8136
Hunter-Lab	28.2988, 8.2421, -24.4391

Details

The CIELCh color $[34, 32.587, 294.869]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[52, 29.480, 105.494]$, and the grayscale version is $[34, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 32.328, 294.569]$, and $[14, 32.557, 295.106]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 41.214, 296.743]$, and if you desaturate by 10%, it is $[39, 24.281, 293.231]$.

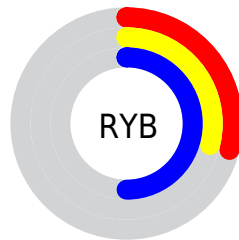
Distribution



Red (29%)

Green (29%)

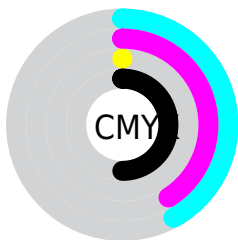
Blue (50%)



Red (29%)

Yellow (29%)

Blue (50%)

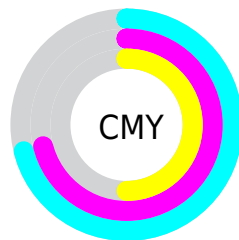


Cyan (42%)

Magenta (41%)

Yellow (0%)

Black (50%)



Cyan (71%)


Magenta (71%)


Yellow (50%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 32.587, 294.869 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, 32.587, 294.869 by changing the saturation by 10% instead.


 34, 32.587,
294.869

 34, 32.587,
294.869

 100, 32.587,
294.869


 24, 32.587,
294.869

 54, 32.587,
294.869

 14, 32.587,
294.869

 64, 32.587,
294.869

 4, 32.587, 294.869

 74, 32.587,
294.869

 0, 32.587, 294.869

 84, 32.587,
294.869

 94, 32.587,
294.869

■ 34, 32.587,
294.869

■ 34, 32.587,
294.869

■ 29, 41.214,
296.743

■ 39, 24.281,
293.231

■ 25, 50.091,
298.823

■ 43, 16.305,
291.821

■ 21, 58.986,
301.014

■ 48, 8.642, 290.618

■ 18, 67.353,
303.120

■ 52, 1.269, 289.622

■ 57, 5.835, 108.692

■ 15, 74.228,
304.853

■ 61, 12.690,
107.942

■ 13, 78.760,
305.930

■ 66, 19.313,
107.294

■ 70, 25.719,
106.733

■ 75, 31.921,
106.245

Harmonies

Complementary

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



34, 32.587, 294.869



52, 29.480, 105.494

Rectangle

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



34, 32.587, 294.869



34, 32.587, 344.869



34, 32.587, 114.869



34, 32.587, 164.869

Sweetspot

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



34, 32.586, 294.869



61, 11.927, 290.793



50, 18.644, 194.268



31, 8.442, 291.015



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



34, 32.586, 294.869



40, 49.474, 296.633



36, 34.101, 310.009



24, 4.140, 290.331



13, 79.018, 305.932



0, 0.000, 0.000

Inverse Universe

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



38, 24.400, 21.926



45, 37.325, 23.606



50, 32.033, 125.984



25, 2.950, 18.339



25, 60.540, 37.602



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 34, 32.587, 294.869 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 CIE LCh color 34, 32.587, 294.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

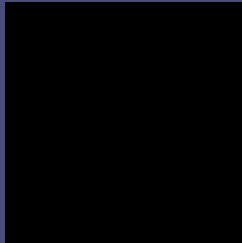
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 32.587, 294.869

Background



This preview shows how black text looks on a background with the CIELCh color 34, 32.587, 294.869.

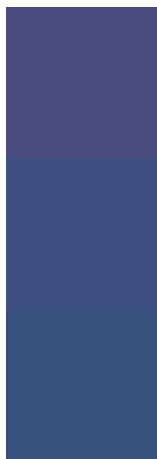


This preview shows how white text looks on a background with the CIELCh color 34, 32.587, 294.869.

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

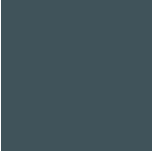
34, 32.587, 294.869

Protanopia

34, 32.741, 285.928

Deuteranopia

34, 29.363, 279.963



Tritanopia
34, 8.482, 229.896

Trichromacy



Original Color
34, 32.587, 294.869

Protanomaly
34, 32.621, 288.911

Deuteranomaly
34, 30.256, 285.599

Tritanomaly
34, 14.933, 275.387

Monochromacy



Original Color
34, 32.587, 294.869

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 11.918, 290.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 32.587, 294.869 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(74, 75, 127)` looks like.

```
.text, #text, p{  
    color:rgb(74, 75, 127)  
}
```

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(74, 75, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 75, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 32.587, 294.869 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(74, 75, 127) }
```

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

```
.border{ border-color:rgb(74, 75, 127) }
```

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

Here you see how a box with a 4 pixel rgb(74, 75, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 75, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 75, 127);  
box-shadow:4px 4px 4px 4px rgb(74, 75,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 32.587, 294.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 75, 127) }
```

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

```
.background{ background-color: rgb(74, 75,  
127) }
```

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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