

Converting Colors

CIELCh(34, 28.676, 290.551)

Have a look what the booklet for
CIELCh(34, 28.676, 290.551)
contains.

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Color

CIELCh(34, 28.837, 290.305)

Conversions

Conversions Part 1

Format	Color
Hex	464D7B
RGB	70, 77, 123
RGB Percent	27%, 30%, 48%
CMY	0.7261, 0.6986, 0.5183
CMYK	0.43, 0.37, 0.00, 0.52
HSL	232°, 28%, 38%
HSV	232°, 43%, 48%
XYZ	8.7218, 8.0082, 19.7700
YIQ	80.1510, -18.9380, 12.8220

Conversions

Conversions Part 2

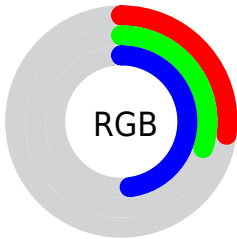
Format	Color
R_{YB}	70, 76, 123
Decimal	4607355
CIE Lab	34.00, 10.01, -27.05
CIE LCh	34, 28.837, 290.305
Yxy	8.0082, 0.2390, 0.2194
Android (android.graphics.Color)	4282797435 (0xFF464D7B)
YUV	80.1510, 21.1246, -8.9024
Hunter-Lab	28.2988, 5.4917, -21.6118

Details

The CIELCh color **34, 28.837, 290.305** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **48, 26.729, 99.628**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **54, 28.834, 290.304**, and **14, 29.106, 290.635** is the 20% darker color. If you saturate the color by 10%, you get **30, 36.175, 292.359**, and if you desaturate by 10%, it is **38, 21.763, 288.518**.

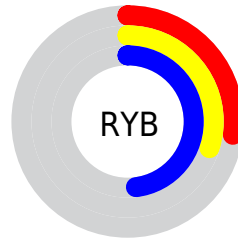
Distribution



Red (27%)

Green (30%)

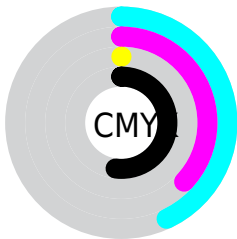
Blue (48%)



Red (27%)

Yellow (30%)

Blue (48%)

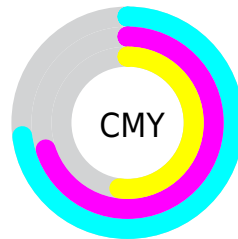


Cyan (43%)

Magenta (37%)

Yellow (0%)

Black (52%)



Cyan (73%)

Magenta (70%)

Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 34, 28.837, 290.305 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, 28.837, 290.305 by changing the saturation by 10% instead.


 34, 28.837,
290.305

 34, 28.837,
290.305

 100, 28.837,
290.305


 24, 28.837,
290.305

 54, 28.837,
290.305

 14, 28.837,
290.305


 64, 28.837,
290.305

 4, 28.837, 290.305

 74, 28.837,
290.305

 0, 28.837, 290.305

 84, 28.837,
290.305

 94, 28.837,
290.305

■ 34, 28.837,
290.305

■ 34, 28.837,
290.305

■ 30, 36.175,
292.359

■ 38, 21.763,
288.518

■ 26, 43.768,
294.674

■ 42, 14.939,
286.978

■ 22, 51.542,
297.194

■ 46, 8.348, 285.659

■ 19, 59.268,
299.790

■ 50, 1.970, 284.553

■ 54, 4.210, 103.509

■ 16, 66.466,
302.240

■ 58, 10.204,
102.671

■ 14, 70.790,
303.568

■ 62, 16.023,
101.935

■ 66, 21.678,
101.290

■ 70, 27.176,
100.722

Harmonies

Complementary

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



34, 28.837, 290.305



48, 26.729, 99.628

Rectangle

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



34, 28.837, 290.305



34, 28.837, 340.305



34, 28.837, 110.305



34, 28.837, 160.305

Sweetspot

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



34, 28.836, 290.305



60, 10.287, 285.680



48, 19.564, 184.921



30, 7.276, 285.915



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



34, 28.836, 290.305



40, 44.101, 292.390



34, 34.017, 306.903



24, 3.545, 285.178



15, 71.760, 303.607



34, 125.280, 304.660

Inverse Universe

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



36, 24.277, 13.587



44, 37.064, 15.594



49, 31.437, 122.117



24, 2.891, 9.226



25, 56.227, 32.238



53, 97.482, 35.015

Previews

White Background



This preview shows how the CIE LCh color 34, 28.837, 290.305 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, 28.837, 290.305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

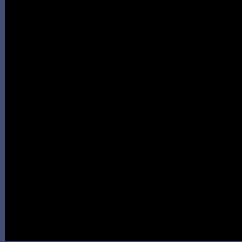
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 28.837, 290.305

Background



This preview shows how black text looks on a background with the CIELCh color 34, 28.837, 290.305.

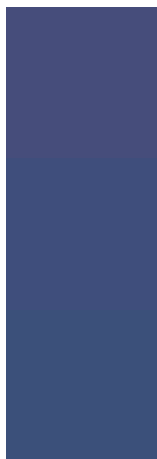


This preview shows how white text looks on a background with the CIELCh color 34, 28.837, 290.305.

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

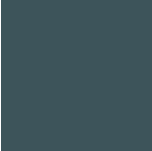
34, 28.837, 290.305

Protanopia

34, 29.009, 285.462

Deuteranopia

34, 26.790, 280.125



Tritanopia
34, 9.509, 221.764

Trichromacy



Original Color
34, 28.837, 290.305

Protanomaly
34, 28.938, 286.615

Deuteranomaly
34, 27.184, 283.669

Tritanomaly
34, 14.324, 266.714

Monochromacy



Original Color
34, 28.837, 290.305

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 10.709, 285.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 28.837, 290.305 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(70, 77, 123)` looks like.

```
.text, #text, p{  
    color:rgb(70, 77, 123)  
}
```

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(70, 77, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 77, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 28.837, 290.305 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(70, 77, 123) }
```

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

```
.border{ border-color:rgb(70, 77, 123) }
```

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

Here you see how a box with a 4 pixel rgb(70, 77, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 77, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 77, 123);  
box-shadow:4px 4px 4px 4px rgb(70, 77,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 28.837, 290.305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 77, 123) }
```

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

```
.background{ background-color: rgb(70, 77,  
123) }
```

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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