

Converting Colors

CIELCh(34, 28.782, 315.310)

Have a look what the booklet for
CIELCh(34, 28.782, 315.310)
contains.

CIELCh(34, 28.978, 315.741)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(34, 28.978, 315.741)

Conversions

Conversions Part 1

Format	Color
Hex	614570
RGB	97, 69, 112
RGB Percent	38%, 27%, 44%
CMY	0.6188, 0.7286, 0.5599
CMYK	0.13, 0.38, 0.00, 0.56
HSL	279°, 24%, 36%
HSV	279°, 38%, 44%
XYZ	10.0291, 8.0082, 16.4086
YIQ	82.2740, 2.8850, 19.3090

Conversions

Conversions Part 2

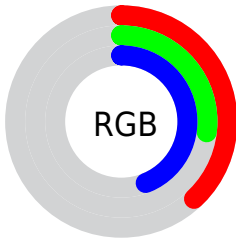
Format	Color
RYB	97, 69, 112
Decimal	6374768
CIELab	34.00, 20.75, -20.22
CIElCh	34, 28.978, 315.741
Yxy	8.0082, 0.2912, 0.2325
Android (android.graphics.Color)	4284564848 (0xFF614570)
YUV	82.2740, 14.6549, 12.9147
Hunter-Lab	28.2988, 13.7372, -14.5692

Details

The CIELCh color $[34, 28.978, 315.741]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[44, 28.040, 132.449]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 28.787, 315.383]$, and $[14, 28.775, 315.302]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 36.583, 316.136]$, and if you desaturate by 10%, it is $[37, 21.296, 315.321]$.

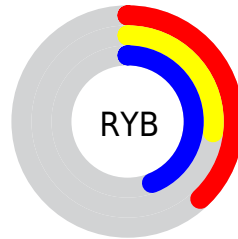
Distribution



Red (38%)

Green (27%)

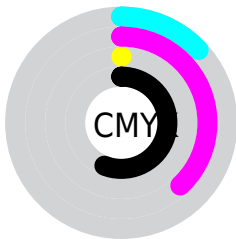
Blue (44%)



Red (38%)

Yellow (27%)

Blue (44%)

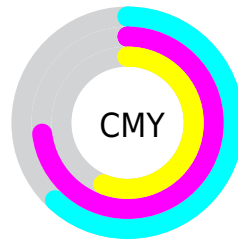


Cyan (13%)

Magenta (38%)

Yellow (0%)

Black (56%)



Cyan (62%)


Magenta (73%)


Yellow (56%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 28.978, 315.741 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, 28.978, 315.741 by changing the saturation by 10% instead.

 34, 28.978,
315.741

 34, 28.978,
315.741

 100, 28.978,
315.741


 24, 28.978,
315.741

 54, 28.978,
315.741


 14, 28.978,
315.741

 64, 28.978,
315.741

 4, 28.978, 315.741

 74, 28.978,
315.741

 0, 28.978, 315.741

 84, 28.978,
315.741

 94, 28.978,
315.741

■ 34, 28.978,
315.741

■ 34, 28.978,
315.741

■ 31, 36.583,
316.136

■ 37, 21.296,
315.321

■ 28, 43.929,
316.474

■ 41, 13.660,
314.897

■ 25, 50.751,
316.711

■ 44, 6.144, 314.478

■ 22, 56.708,
316.792

■ 48, 1.208, 134.198

■ 51, 8.374, 133.760

■ 20, 61.417,
316.649

■ 55, 15.344,
133.421

■ 19, 65.132,
316.358

■ 59, 22.117,
133.116

■ 18, 65.789,
316.326

■ 62, 28.697,
132.841

■ 66, 35.089,
132.594

Harmonies

Complementary

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



34, 28.978, 315.741



44, 28.040, 132.449

Rectangle

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



34, 28.978, 315.741



34, 28.978, 5.741



34, 28.978, 135.741



34, 28.978, 185.741

Sweetspot

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



34, 28.977, 315.741



55, 10.060, 314.602



36, 17.973, 275.741



28, 6.820, 314.644



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



34, 28.977, 315.741



41, 43.051, 316.093



36, 28.188, 331.071



22, 4.150, 314.506



20, 68.987, 316.254



45, 118.267, 315.684

Inverse Universe

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



35, 20.797, 356.797



42, 30.932, 358.161



43, 28.151, 146.008



22, 2.938, 353.400



24, 48.818, 14.303



52, 84.340, 17.707

Previews

White Background



This preview shows how the CIELCh color 34, 28.978, 315.741 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, 28.978, 315.741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

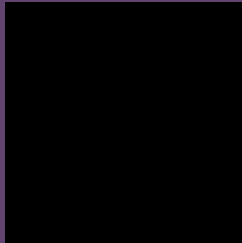
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 28.978, 315.741

Background



This preview shows how black text looks on a background with the CIELCh color 34, 28.978, 315.741.



This preview shows how white text looks on a background with the CIELCh color 34, 28.978, 315.741.

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, 28.978, 315.741

Protanopia

34, 25.848, 284.823

Deuteranopia

34, 19.546, 284.995



Tritanopia
34, 7.927, 352.493

Trichromacy



Original Color
34, 28.978, 315.741

Protanomaly
34, 26.427, 296.033

Deuteranomaly
34, 22.797, 299.446

Tritanomaly
34, 14.552, 326.906

Monochromacy



Original Color
34, 28.978, 315.741

Achromatopsia
35, 0.005, 296.813

Achromatomaly
34, 11.060, 316.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 28.978, 315.741 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(97, 69, 112)` looks like.

```
.text, #text, p{  
    color:rgb(97, 69, 112)  
}
```

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(97, 69, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 69, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 28.978, 315.741 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(97, 69, 112) }
```

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

```
.border{ border-color:rgb(97, 69, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 69, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 69, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 69, 112);  
box-shadow:4px 4px 4px 4px rgb(97, 69,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 28.978, 315.741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 69, 112) }
```

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

```
.background{ background-color: rgb(97, 69,  
112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor