

Converting Colors

CIELCh(34, 28.344, 313.163)

Have a look what the booklet for
CIELCh(34, 28.344, 313.163)
contains.

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Color

CIELCh(34, 28.597, 313.493)

Conversions

Conversions Part 1

Format	Color
Hex	5F4671
RGB	95, 70, 113
RGB Percent	37%, 27%, 44%
CMY	0.6274, 0.7254, 0.5568
CMYK	0.16, 0.38, 0.00, 0.56
HSL	275°, 23%, 36%
HSV	275°, 38%, 44%
XYZ	9.8932, 8.0082, 16.6513
YIQ	82.3770, 1.0970, 18.6730

Conversions

Conversions Part 2

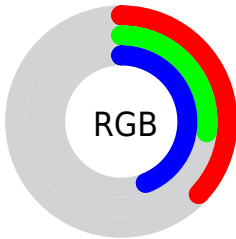
Format	Color
R_{YB}	95, 70, 113
Decimal	6243953
CIE _{Lab}	34.00, 19.68, -20.75
CIE _{LCh}	34, 28.597, 313.493
Yxy	8.0082, 0.2863, 0.2318
Android (android.graphics.Color)	4284434033 (0xFF5F4671)
YUV	82.3770, 15.0971, 11.0704
Hunter-Lab	28.2988, 12.8805, -15.0776

Details

The CIELCh color $[34, 28.597, 313.493]$ is a dark color, and the websafe version is hex `663366`. A complement of this color would be $[45, 27.441, 130.195]$, and the grayscale version is $[35, 0.005, 296.813]$.

A 20% lighter version of the original color is $[54, 28.387, 313.260]$, and $[14, 28.590, 313.698]$ is the 20% darker color. If you saturate the color by 10%, you get $[31, 36.264, 313.931]$, and if you desaturate by 10%, it is $[38, 20.912, 313.041]$.

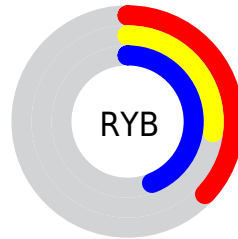
Distribution



Red (37%)

Green (27%)

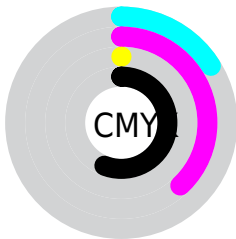
Blue (44%)



Red (37%)

Yellow (27%)

Blue (44%)

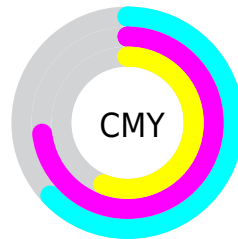


Cyan (16%)

Magenta (38%)

Yellow (0%)

Black (56%)



Cyan (63%)

Magenta (73%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 34, 28.597, 313.493 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, 28.597, 313.493 by changing the saturation by 10% instead.

 34, 28.597,
313.493

 34, 28.597,
313.493

 100, 28.597,
313.493

 24, 28.597,
313.493

 54, 28.597,
313.493

 14, 28.597,
313.493

 64, 28.597,
313.493

 4, 28.597, 313.493

 74, 28.597,
313.493

 0, 28.597, 313.493

 84, 28.597,
313.493

 94, 28.597,
313.493

■ 34, 28.597,
313.493

■ 34, 28.597,
313.493

■ 31, 36.264,
313.931

■ 38, 20.912,
313.041

■ 27, 43.750,
314.324

■ 41, 13.316,
312.595

■ 24, 50.802,
314.623

■ 45, 5.868, 312.164

■ 22, 57.072,
314.766

■ 48, 1.397, 131.856

■ 52, 8.466, 131.438

■ 19, 62.142,
314.673

■ 56, 15.334,
131.105

■ 18, 66.186,
314.415

■ 59, 22.003,
130.809

■ 17, 67.028,
314.391

■ 63, 28.479,
130.546

■ 66, 34.769,
130.312

Harmonies

Complementary

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



34, 28.597, 313.493



45, 27.441, 130.195

Rectangle

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



34, 28.597, 313.493



34, 28.597, 3.493



34, 28.597, 133.493



34, 28.597, 183.493

Sweetspot

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



34, 28.596, 313.493



56, 10.039, 312.303



37, 16.181, 268.351



28, 6.710, 312.346



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, 28.596, 313.493



41, 43.277, 313.897



36, 29.789, 328.323



22, 4.081, 312.205



19, 69.935, 314.322



42, 120.021, 313.706

Inverse Universe

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



35, 21.428, 352.126



43, 32.262, 353.411



44, 29.812, 143.574



22, 3.062, 348.987



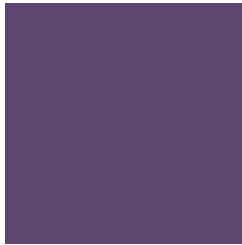
24, 48.316, 7.782



53, 82.766, 10.891

Previews

White Background



This preview shows how the CIELCh color 34, 28.597, 313.493 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, 28.597, 313.493 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

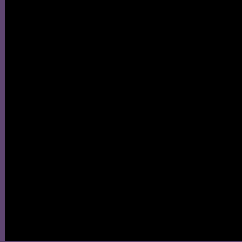
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 34, 28.597, 313.493

Background



This preview shows how black text looks on a background with the CIELCh color 34, 28.597, 313.493.



This preview shows how white text looks on a background with the CIELCh color 34, 28.597, 313.493.

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, 28.597, 313.493

Protanopia

34, 25.848, 284.823

Deuteranopia

34, 20.200, 284.434



Tritanopia
34, 7.164, 348.967

Trichromacy



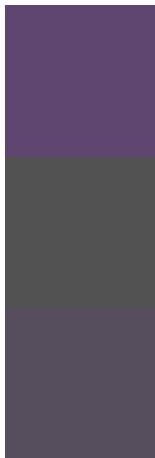
Original Color
34, 28.597, 313.493

Protanomaly
34, 25.746, 295.176

Deuteranomaly
34, 22.670, 296.661

Tritanomaly
34, 14.106, 323.988

Monochromacy



Original Color
34, 28.597, 313.493

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 10.149, 313.112

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 34, 28.597, 313.493 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(95, 70, 113)` looks like.

```
.text, #text, p{  
    color:rgb(95, 70, 113)  
}
```

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(95, 70, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 70, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 34, 28.597, 313.493 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(95, 70, 113) }
```

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

```
.border{ border-color:rgb(95, 70, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 70, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 70, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 70, 113);  
box-shadow:4px 4px 4px 4px rgb(95, 70,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 34, 28.597, 313.493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 70, 113) }
```

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

```
.background{ background-color: rgb(95, 70,  
113) }
```

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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