

Converting Colors

CIELCh(38, 29.007, 314.239)

Have a look what the booklet for
CIELCh(38, 29.007, 314.239)
contains.

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Color

CIELCh(38, 28.940, 314.444)

Conversions

Conversions Part 1

Format	Color
Hex	6A4F7B
RGB	106, 79, 123
RGB Percent	42%, 31%, 48%
CMY	0.5843, 0.6902, 0.5176
CMYK	0.14, 0.36, 0.00, 0.52
HSL	277°, 22%, 40%
HSV	277°, 36%, 48%
XYZ	12.3171, 10.0881, 20.0398
YIQ	92.0890, 1.9680, 19.4080

Conversions

Conversions Part 2

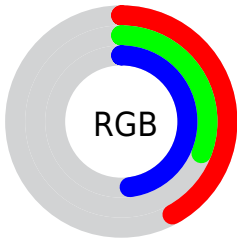
Format	Color
R_{YB}	106, 79, 123
Decimal	6967163
CIE _{Lab}	38.00, 20.26, -20.66
CIE _{LCh}	38, 28.940, 314.444
Yxy	10.0881, 0.2902, 0.2377
Android (android.graphics.Color)	4285157243 (0xFF6A4F7B)
YUV	92.0890, 15.2391, 12.1999
Hunter-Lab	31.7617, 13.6386, -15.1754

Details

The CIELCh color **38, 28.940, 314.444** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49, 27.937, 131.351**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 28.799, 314.193**, and **18, 28.812, 314.637** is the 20% darker color. If you saturate the color by 10%, you get **34, 37.173, 314.870**, and if you desaturate by 10%, it is **42, 20.688, 314.004**.

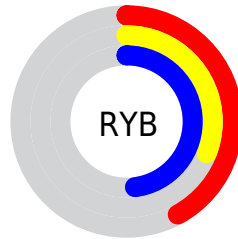
Distribution



Red (42%)

Green (31%)

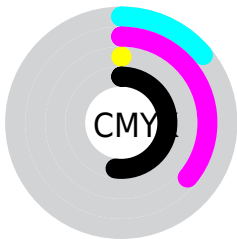
Blue (48%)



Red (42%)

Yellow (31%)

Blue (48%)

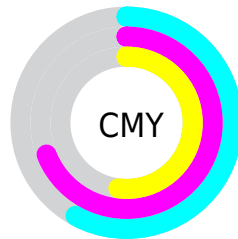


Cyan (14%)

Magenta (36%)

Yellow (0%)

Black (52%)



Cyan (58%)

Magenta (69%)

Yellow (52%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 28.940, 314.444 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 38, 28.940, 314.444 by changing the saturation by 10% instead.

 38, 28.940,
314.444

 38, 28.940,
314.444

 100, 28.940,
314.444

 28, 28.940,
314.444

 58, 28.940,
314.444

 18, 28.940,
314.444

 68, 28.940,
314.444

 8, 28.940, 314.444

 78, 28.940,
314.444

 0, 28.940, 314.444

 88, 28.940,
314.444

 98, 28.940,
314.444

■ 38, 28.940,
314.444

■ 38, 28.940,
314.444

■ 34, 37.173,
314.870

■ 42, 20.688,
314.004

■ 31, 45.214,
315.251

■ 46, 12.531,
313.568

■ 28, 52.799,
315.542

■ 49, 4.533, 313.140

■ 25, 59.567,
315.685

■ 53, 3.270, 132.811

■ 22, 65.083,
315.607

■ 57, 10.863,
132.432

■ 21, 69.123,
315.276

■ 61, 18.240,
132.105

■ 20, 70.811,
315.160

■ 65, 25.403,
131.812

■ 69, 32.358,
131.550

■ 73, 39.114,
131.317

Harmonies

Complementary

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



38, 28.940, 314.444



49, 27.937, 131.351

Rectangle

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



38, 28.940, 314.444



38, 28.940, 4.444



38, 28.940, 134.444



38, 28.940, 184.444

Sweetspot

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



38, 28.939, 314.444



61, 10.821, 313.376



41, 16.976, 271.055



31, 7.336, 313.422



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



38, 28.939, 314.444



46, 43.436, 314.799



40, 29.397, 329.265



24, 4.424, 313.282



20, 71.621, 315.143



44, 121.063, 314.579

Inverse Universe

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



39, 21.248, 353.964



48, 31.842, 355.141



48, 29.390, 144.707



24, 3.230, 350.992



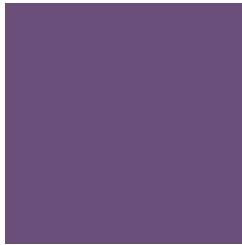
25, 49.946, 11.046



54, 84.633, 14.130

Previews

White Background



This preview shows how the CIELCh color 38, 28.940, 314.444 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 × Fail

Black Background



This preview shows how the CIELCh color 38, 28.940, 314.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 38, 28.940, 314.444

Background



This preview shows how black text looks on a background with the CIELCh color 38, 28.940, 314.444.



This preview shows how white text looks on a background with the CIELCh color 38, 28.940, 314.444.

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

38, 28.940, 314.444

Protanopia

38, 25.971, 285.284

Deuteranopia

38, 20.377, 286.309



Tritanopia
38, 8.073, 348.480

Trichromacy



Original Color
38, 28.940, 314.444

Protanomaly
38, 25.909, 295.676

Deuteranomaly
38, 22.924, 298.203

Tritanomaly
38, 14.809, 325.428

Monochromacy



Original Color
38, 28.940, 314.444

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 10.690, 313.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 28.940, 314.444 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(106, 79, 123)` looks like.

```
.text, #text, p{  
    color:rgb(106, 79, 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(106, 79, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 79, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 28.940, 314.444 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(106, 79, 123) }
```

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

```
.border{ border-color:rgb(106, 79, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 79, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 79, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 79, 123);  
box-shadow:4px 4px 4px 4px rgb(106, 79,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 28.940, 314.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 79, 123) }
```

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

```
.background{ background-color: rgb(106, 79,  
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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