

Converting Colors

CIELCh(38, 30.718, 315.786)

Have a look what the booklet for
CIELCh(38, 30.718, 315.786)
contains.

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Color

CIELCh(38, 30.436, 315.736)

Conversions

Conversions Part 1

Format	Color
Hex	6C4E7C
RGB	108, 78, 124
RGB Percent	42%, 31%, 49%
CMY	0.5765, 0.6942, 0.5138
CMYK	0.13, 0.37, 0.00, 0.51
HSL	279°, 23%, 40%
HSV	279°, 37%, 49%
XYZ	12.5422, 10.0881, 20.3489
YIQ	92.2140, 3.1140, 20.6660

Conversions

Conversions Part 2

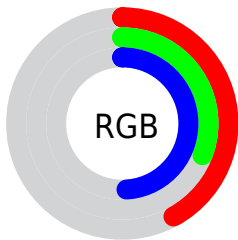
Format	Color
R_{YB}	108, 78, 124
Decimal	7097980
CIE _{Lab}	38.00, 21.80, -21.24
CIE _{LCh}	38, 30.436, 315.736
Yxy	10.0881, 0.2918, 0.2347
Android (android.graphics.Color)	4285288060 (0xFF6C4E7C)
YUV	92.2140, 15.6705, 13.8443
Hunter-Lab	31.7617, 14.9037, -15.7524

Details

The CIELCh color $[38, 30.436, 315.736]$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $[49, 29.476, 132.520]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 30.236, 315.402]$, and $[18, 30.232, 315.304]$ is the 20% darker color. If you saturate the color by 10%, you get $[34, 38.702, 316.138]$, and if you desaturate by 10%, it is $[42, 22.097, 315.311]$.

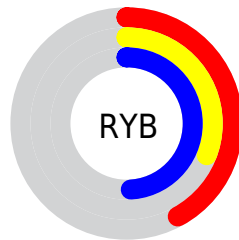
Distribution



Red (42%)

Green (31%)

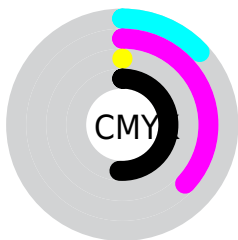
Blue (49%)



Red (42%)

Yellow (31%)

Blue (49%)

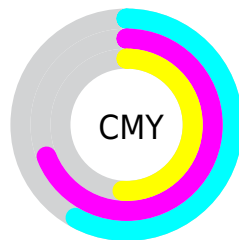


Cyan (13%)

Magenta (37%)

Yellow (0%)

Black (51%)



Cyan (58%)


Magenta (69%)


Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 30.436, 315.736 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, 30.436, 315.736 by changing the saturation by 10% instead.


 38, 30.436,
315.736


 38, 30.436,
315.736

 100, 30.436,
315.736


 28, 30.436,
315.736

 58, 30.436,
315.736


 18, 30.436,
315.736


 68, 30.436,
315.736

 8, 30.436, 315.736

 78, 30.436,
315.736

 0, 30.436, 315.736

 88, 30.436,
315.736

 98, 30.436,
315.736

■ 38, 30.436,
315.736

■ 38, 30.436,
315.736

■ 34, 38.702,
316.138

■ 42, 22.097,
315.311

■ 31, 46.701,
316.484

■ 45, 13.818,
314.883

■ 28, 54.145,
316.731

■ 49, 5.677, 314.459

■ 25, 60.659,
316.820

■ 53, 2.281, 134.142

■ 23, 65.820,
316.685

■ 57, 10.033,
133.741

■ 21, 69.584,
316.330

■ 61, 17.570,
133.404

■ 21, 70.689,
316.246

■ 65, 24.890,
133.100

■ 69, 32.000,
132.827

■ 72, 38.905,
132.582

Harmonies

Complementary

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



38, 30.436, 315.736



49, 29.476, 132.520

Rectangle

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



38, 30.436, 315.736



38, 30.436, 5.736



38, 30.436, 135.736



38, 30.436, 185.736

Sweetspot

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



38, 30.435, 315.736



61, 10.921, 314.636



40, 18.869, 275.572



31, 7.404, 314.682



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, 30.435, 315.736



45, 45.711, 316.098



40, 29.630, 331.021



24, 4.466, 314.543



21, 71.089, 316.238



46, 120.096, 315.700

Inverse Universe

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



39, 21.827, 356.743



47, 32.827, 358.121



48, 29.587, 146.088



24, 3.159, 353.476



25, 50.349, 14.648



53, 85.708, 17.863

Previews

White Background



This preview shows how the CIELCh color 38, 30.436, 315.736 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, 30.436, 315.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

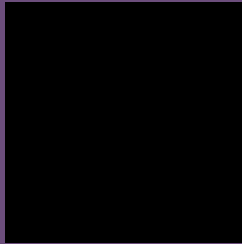
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 30.436, 315.736

Background



This preview shows how black text looks on a background with the CIELCh color 38, 30.436, 315.736.



This preview shows how white text looks on a background with the CIELCh color 38, 30.436, 315.736.

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, 30.436, 315.736

Protanopia

38, 27.204, 285.289

Deuteranopia

38, 21.016, 285.707



Tritanopia
38, 8.558, 355.276

Trichromacy



Original Color
38, 30.436, 315.736

Protanomaly
38, 27.796, 296.544

Deuteranomaly
38, 24.215, 298.981

Tritanomaly
38, 16.005, 328.056

Monochromacy



Original Color
38, 30.436, 315.736

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 11.406, 314.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 30.436, 315.736 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(108, 78, 124)` looks like.

```
.text, #text, p{  
    color:rgb(108, 78, 124)  
}
```

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(108, 78, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 78, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 30.436, 315.736 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(108, 78, 124) }
```

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

```
.border{ border-color:rgb(108, 78, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 78, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 78, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 78, 124);  
box-shadow:4px 4px 4px 4px rgb(108, 78,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 30.436, 315.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 78, 124) }
```

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

```
.background{ background-color: rgb(108, 78,  
124) }
```

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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