

Converting Colors

CIELCh(38, 12.235, 316.943)

Have a look what the booklet for
CIELCh(38, 12.235, 316.943)
contains.

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Color

CIELCh(38, 12.333, 317.121)

Conversions

Conversions Part 1

Format	Color
Hex	625567
RGB	98, 85, 103
RGB Percent	38%, 33%, 40%
CMY	0.6154, 0.6664, 0.5958
CMYK	0.05, 0.17, 0.00, 0.60
HSL	283°, 10%, 37%
HSV	283°, 17%, 40%
XYZ	10.7492, 10.0881, 14.2302
YIQ	90.9390, 1.9700, 8.3540

Conversions

Conversions Part 2

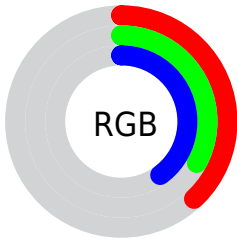
Format	Color
RYB	98, 85, 103
Decimal	6444391
CIELab	38.00, 9.04, -8.39
CIElCh	38, 12.333, 317.121
Yxy	10.0881, 0.3065, 0.2877
Android (android.graphics.Color)	4284634471 (0xFF625567)
YUV	90.9390, 5.9461, 6.1925
Hunter-Lab	31.7617, 4.8274, -4.3305

Details

The CIELCh color **38, 12.333, 317.121** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.191, 135.699**, and the grayscale version is **39, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 12.106, 317.387**, and **18, 12.129, 316.372** is the 20% darker color. If you saturate the color by 10%, you get **35, 19.532, 317.534**, and if you desaturate by 10%, it is **41, 5.223, 316.704**.

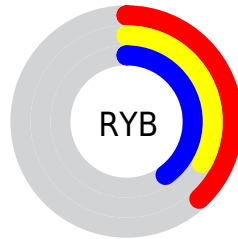
Distribution



Red (38%)

Green (33%)

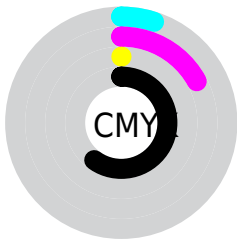
Blue (40%)



Red (38%)

Yellow (33%)

Blue (40%)

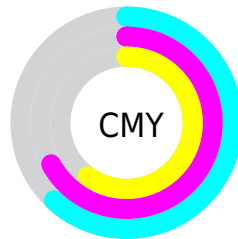


Cyan (5%)

Magenta (17%)

Yellow (0%)

Black (60%)



Cyan (62%)


Magenta (67%)


Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 12.333, 317.121 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, 12.333, 317.121 by changing the saturation by 10% instead.


 38, 12.333,
317.121


 38, 12.333,
317.121

 100, 12.333,
317.121


 28, 12.333,
317.121

 58, 12.333,
317.121


 18, 12.333,
317.121


 68, 12.333,
317.121

 8, 12.333, 317.121

 78, 12.333,
317.121

 0, 12.333, 317.121

 88, 12.333,
317.121

 98, 12.333,
317.121

■ 38, 12.333,
317.121

■ 38, 12.333,
317.121

■ 35, 19.532,
317.534

■ 41, 5.223, 316.704

■ 32, 26.746,
317.938

■ 44, 1.746, 136.403

■ 29, 33.854,
318.313

■ 48, 8.550, 135.983

■ 26, 40.680,
318.631

■ 51, 15.175,
135.635

■ 24, 46.983,
318.855

■ 54, 21.618,
135.317

■ 21, 52.464,
318.940

■ 58, 27.880,
135.026

■ 20, 56.802,
318.834

■ 61, 33.965,
134.762

■ 18, 60.230,

■ 64, 39.880,
134.523

318.596

■ 67, 45.634,
134.308

■ 18, 61.149,
318.556

Harmonies

Complementary

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



38, 12.333, 317.121



42, 12.191, 135.699

Rectangle

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



38, 12.333, 317.121



38, 12.333, 7.121



38, 12.333, 137.121



38, 12.333, 187.121

Sweetspot

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



38, 12.332, 317.120



54, 4.362, 316.602



38, 8.129, 277.129



28, 3.000, 316.625



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 12.332, 317.120



48, 18.585, 317.292



38, 11.467, 332.148



19, 3.900, 316.765



20, 66.020, 318.449



46, 114.820, 317.922

Inverse Universe

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



38, 8.338, 359.126



48, 12.622, 359.585



42, 11.420, 149.998



19, 2.613, 358.239



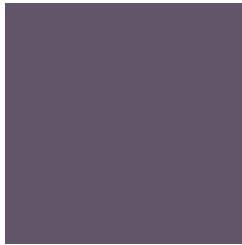
23, 48.464, 20.422



51, 85.873, 24.157

Previews

White Background



This preview shows how the CIELCh color 38, 12.333, 317.121 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, 12.333, 317.121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

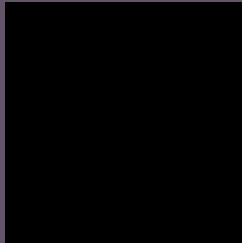
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 12.333, 317.121

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.333, 317.121.

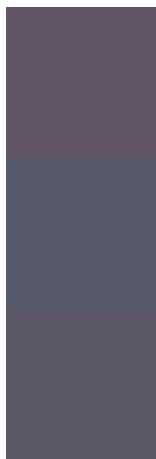


This preview shows how white text looks on a background with the CIELCh color 38, 12.333, 317.121.

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

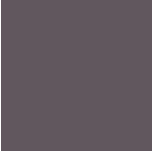
38, 12.333, 317.121

Protanopia

38, 10.497, 285.440

Deuteranopia

38, 10.098, 303.144



Tritanopia
38, 6.043, 334.908

Trichromacy



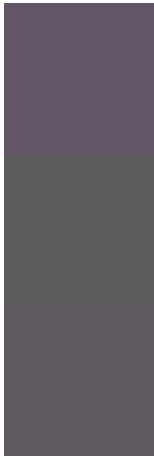
Original Color
38, 12.333, 317.121

Protanomaly
38, 10.514, 296.124

Deuteranomaly
38, 11.014, 308.765

Tritanomaly
38, 8.207, 325.001

Monochromacy



Original Color
38, 12.333, 317.121

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 4.258, 320.034

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.333, 317.121 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(98, 85, 103)` looks like.

```
.text, #text, p{  
    color:rgb(98, 85, 103)  
}
```

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(98, 85, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 85, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.333, 317.121 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(98, 85, 103) }
```

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

```
.border{ border-color:rgb(98, 85, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 85, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 85, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 85, 103);  
box-shadow:4px 4px 4px 4px rgb(98, 85,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.333, 317.121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 85, 103) }
```

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

```
.background{ background-color: rgb(98, 85,  
103) }
```

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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