

Converting Colors

CIELCh(38, 33.667, 316.315)

Have a look what the booklet for
CIELCh(38, 33.667, 316.315)
contains.

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Color

CIELCh(38, 33.717, 316.327)

Conversions

Conversions Part 1

Format	Color
Hex	6E4C7F
RGB	110, 76, 127
RGB Percent	43%, 30%, 50%
CMY	0.5673, 0.7008, 0.5007
CMYK	0.13, 0.40, 0.00, 0.50
HSL	280°, 25%, 40%
HSV	280°, 40%, 50%
XYZ	12.9291, 10.0881, 21.4574
YIQ	91.9800, 3.8930, 23.0690

Conversions

Conversions Part 2

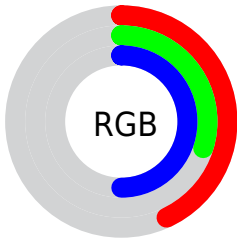
Format	Color
R_{YB}	110, 76, 127
Decimal	7228543
CIE Lab	38.00, 24.39, -23.28
CIE LCh	38, 33.717, 316.327
Yxy	10.0881, 0.2907, 0.2268
Android (android.graphics.Color)	4285418623 (0xFF6E4C7F)
YUV	91.9800, 17.2649, 15.8035
Hunter-Lab	31.7617, 17.0781, -17.8217

Details

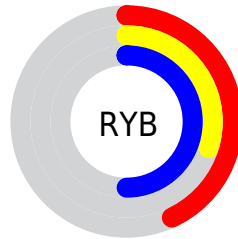
The CIELCh color $38, 33.717, 316.327$ is a dark color, and the websafe version is hex 663366 . A complement of this color would be $50, 32.628, 132.819$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $58, 33.363, 315.942$, and $18, 34.291, 316.318$ is the 20% darker color. If you saturate the color by 10%, you get $34, 42.100, 316.710$, and if you desaturate by 10%, it is $42, 25.191, 315.910$.

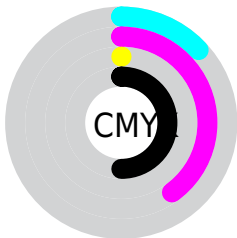
Distribution



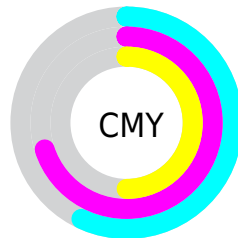
- Red (43%)
- Green (30%)
- Blue (50%)



- Red (43%)
- Yellow (30%)
- Blue (50%)



- Cyan (13%)
- Magenta (40%)
- Yellow (0%)
- Black (50%)





- Cyan (57%)
- Magenta (70%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.717, 316.327 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, 33.717, 316.327 by changing the saturation by 10% instead.


 38, 33.717,
316.327


 38, 33.717,
316.327

 100, 33.717,
316.327


 28, 33.717,
316.327


 58, 33.717,
316.327


 18, 33.717,
316.327


 68, 33.717,
316.327

 8, 33.717, 316.327

 78, 33.717,
316.327

 0, 33.717, 316.327

 88, 33.717,
316.327

 98, 33.717,
316.327

■ 38, 33.717,
316.327

■ 38, 33.717,
316.327

■ 34, 42.100,
316.710

■ 42, 25.191,
315.910

■ 31, 50.109,
317.023

■ 46, 16.682,
315.483

■ 28, 57.419,
317.219

■ 49, 8.287, 315.059

■ 26, 63.622,
317.238

■ 53, 0.064, 312.771

■ 57, 7.955, 134.320

■ 24, 68.302,
317.014

■ 61, 15.756,
133.968

■ 22, 71.873,
316.649

■ 65, 23.336,
133.651

■ 69, 30.696,
133.365

■ 73, 37.845,
133.108

Harmonies

Complementary

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



38, 33.717, 316.327



50, 32.628, 132.819

Rectangle

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



38, 33.717, 316.327



38, 33.717, 6.327



38, 33.717, 136.327



38, 33.717, 186.327

Sweetspot

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



38, 33.716, 316.327



62, 12.279, 315.153



40, 21.326, 277.513



32, 8.217, 315.197



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



38, 33.716, 316.327



46, 50.086, 316.676



40, 32.252, 331.803



25, 4.638, 315.018



22, 71.942, 316.648



0, 0.000, 0.000

Inverse Universe

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



39, 24.004, 358.207



47, 35.737, 359.711



49, 32.206, 146.308



25, 3.243, 354.455



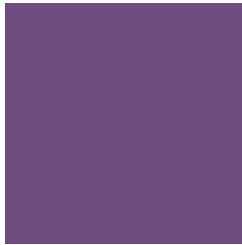
26, 51.325, 16.122



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 33.717, 316.327 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, 33.717, 316.327 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, 33.717, 316.327

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.717, 316.327.



This preview shows how white text looks on a background with the CIELCh color 38, 33.717, 316.327.

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, 33.717, 316.327

Protanopia
38, 30.295, 285.158

Deuteranopia
38, 22.299, 283.777



Tritanopia
38, 9.991, 355.550

Trichromacy



Original Color
38, 33.717, 316.327

Protanomaly
38, 30.213, 296.027

Deuteranomaly
38, 26.035, 298.806

Tritanomaly
38, 17.687, 329.083

Monochromacy



Original Color
38, 33.717, 316.327

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 12.861, 315.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.717, 316.327 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(110, 76, 127)` looks like.

```
.text, #text, p{  
    color:rgb(110, 76, 127)  
}
```

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(110, 76, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 76, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.717, 316.327 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(110, 76, 127) }
```

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

```
.border{ border-color:rgb(110, 76, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 76, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 76, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 76, 127); box-shadow:4px 4px 4px 4px rgb(110, 76, 127) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.717, 316.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 76, 127) }
```

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

```
.background{ background-color: rgb(110, 76,  
127) }
```

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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