

Converting Colors

CIELCh(38, 36.019, 319.262)

Have a look what the booklet for
CIELCh(38, 36.019, 319.262)
contains.

CIELCh(38, 36.228, 319.316)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 36.228, 319.316)

Conversions

Conversions Part 1

Format	Color
Hex	734A80
RGB	115, 74, 128
RGB Percent	45%, 29%, 50%
CMY	0.5492, 0.7100, 0.4983
CMYK	0.10, 0.42, 0.00, 0.50
HSL	286°, 27%, 40%
HSV	286°, 42%, 50%
XYZ	13.4000, 10.0881, 21.6424
YIQ	92.4150, 7.1020, 25.4860

Conversions

Conversions Part 2

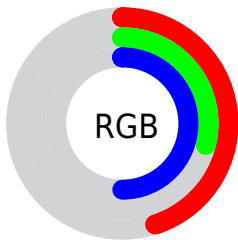
Format	Color
R_{YB}	115, 74, 128
Decimal	7555712
CIE _{Lab}	38.00, 27.47, -23.62
CIE _{LCh}	38, 36.228, 319.316
Yxy	10.0881, 0.2969, 0.2235
Android (android.graphics.Color)	4285745792 (0xFF734A80)
YUV	92.4150, 17.5434, 19.8070
Hunter-Lab	31.7617, 19.7248, -18.1670

Details

The CIELCh color **38, 36.228, 319.316** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **49, 35.429, 135.423**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 35.992, 319.322**, and **18, 36.445, 318.855** is the 20% darker color. If you saturate the color by 10%, you get **35, 44.527, 319.665**, and if you desaturate by 10%, it is **42, 27.642, 318.919**.

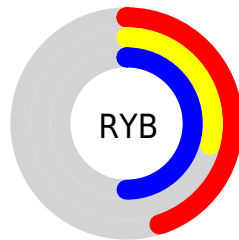
Distribution



Red (45%)

Green (29%)

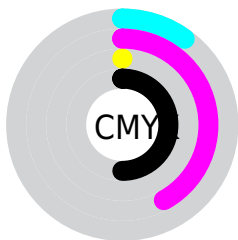
Blue (50%)



Red (45%)

Yellow (29%)

Blue (50%)

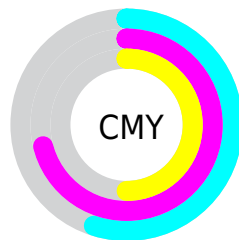


Cyan (10%)

Magenta (42%)

Yellow (0%)

Black (50%)



Cyan (55%)


Magenta (71%)


Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 36.228, 319.316 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, 36.228, 319.316 by changing the saturation by 10% instead.


 38, 36.228,
319.316


 38, 36.228,
319.316

 100, 36.228,
319.316


 28, 36.228,
319.316

 58, 36.228,
319.316


 18, 36.228,
319.316


 68, 36.228,
319.316

 8, 36.228, 319.316

 78, 36.228,
319.316

 0, 36.228, 319.316

 88, 36.228,
319.316

 98, 36.228,
319.316

■ 38, 36.228,
319.316

■ 38, 36.228,
319.316

■ 35, 44.527,
319.665

■ 42, 27.642,
318.919

■ 32, 52.267,
319.932

■ 45, 18.970,
318.498

■ 29, 59.097,
320.075

■ 49, 10.346,
318.069

■ 27, 64.631,
320.047

■ 53, 1.853, 317.592

■ 57, 6.457, 137.295

■ 25, 68.532,
319.802

■ 60, 14.557,
136.910

■ 24, 70.986,
319.550

■ 64, 22.434,
136.558

■ 68, 30.086,
136.236

■ 72, 37.517,
135.941

Harmonies

Complementary

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



38, 36.228, 319.316



49, 35.429, 135.423

Rectangle

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



38, 36.228, 319.316



38, 36.228, 9.316



38, 36.228, 139.316



38, 36.228, 189.316

Sweetspot

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



38, 36.227, 319.316



62, 13.634, 318.116



38, 25.160, 283.727



31, 9.631, 318.199



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, 36.227, 319.316



45, 53.759, 319.664



39, 32.151, 335.180



25, 4.752, 317.934



24, 70.808, 319.552



0, 0.000, 0.000

Inverse Universe

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



38, 24.763, 5.250



46, 37.247, 7.145



49, 31.953, 148.882



25, 3.102, 0.953



26, 53.445, 24.280



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 36.228, 319.316 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, 36.228, 319.316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

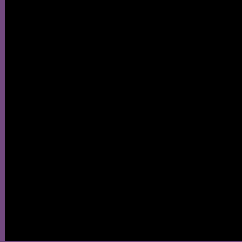
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 36.228, 319.316

Background



This preview shows how black text looks on a background with the CIELCh color 38, 36.228, 319.316.



This preview shows how white text looks on a background with the CIELCh color 38, 36.228, 319.316.

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, 36.228, 319.316

Protanopia

38, 32.112, 285.586

Deuteranopia

38, 22.299, 283.777



Tritanopia
38, 11.869, 3.281

Trichromacy



Original Color
38, 36.228, 319.316

Protanomaly
38, 32.711, 297.418

Deuteranomaly
38, 26.065, 299.588

Tritanomaly
38, 18.977, 334.439

Monochromacy



Original Color
38, 36.228, 319.316

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 13.770, 318.058

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 36.228, 319.316 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(115, 74, 128)` looks like.

```
.text, #text, p{  
    color:rgb(115, 74, 128)  
}
```

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(115, 74, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 74, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 36.228, 319.316 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(115, 74, 128) }
```

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

```
.border{ border-color:rgb(115, 74, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 74, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 74, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 74, 128); box-shadow:4px 4px 4px 4px rgb(115, 74, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 36.228, 319.316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 74, 128) }
```

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

```
.background{ background-color: rgb(115, 74,  
128) }
```

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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