

Converting Colors

CIELCh(38, 36.395, 319.833)

Have a look what the booklet for
CIELCh(38, 36.395, 319.833)
contains.

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Color

CIELCh(38, 36.351, 319.891)

Conversions

Conversions Part 1

Format	Color
Hex	744A80
RGB	116, 74, 128
RGB Percent	45%, 29%, 50%
CMY	0.5465, 0.7111, 0.4995
CMYK	0.09, 0.42, 0.00, 0.50
HSL	287°, 27%, 39%
HSV	287°, 42%, 50%
XYZ	13.4510, 10.0881, 21.5327
YIQ	92.7140, 7.6980, 25.6980

Conversions

Conversions Part 2

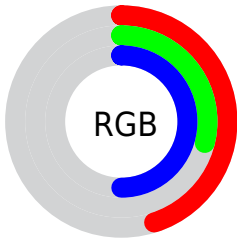
Format	Color
R_{YB}	116, 74, 128
Decimal	7621248
CIE _{Lab}	38.00, 27.80, -23.42
CIE _{LCh}	38, 36.351, 319.891
Yxy	10.0881, 0.2984, 0.2238
Android (android.graphics.Color)	4285811328 (0xFF744A80)
YUV	92.7140, 17.3960, 20.4218
Hunter-Lab	31.7617, 20.0114, -17.9621

Details

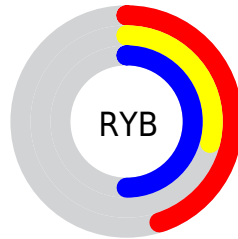
The CIELCh color **38, 36.351, 319.891** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **49, 35.630, 135.929**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 36.132, 319.864**, and **18, 36.503, 319.462** is the 20% darker color. If you saturate the color by 10%, you get **35, 44.619, 320.239**, and if you desaturate by 10%, it is **41, 27.773, 319.493**.

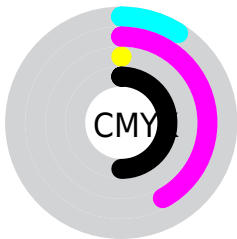
Distribution



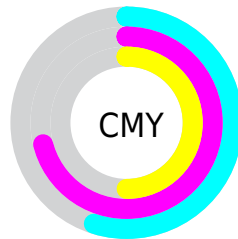
- Red (45%)
- Green (29%)
- Blue (50%)



- Red (45%)
- Yellow (29%)
- Blue (50%)



- Cyan (9%)
- Magenta (42%)
- Yellow (0%)
- Black (50%)





- Cyan (55%)
- Magenta (71%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 36.351, 319.891 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, 36.351, 319.891 by changing the saturation by 10% instead.


 38, 36.351,
319.891


 38, 36.351,
319.891

 100, 36.351,
319.891


 28, 36.351,
319.891

 58, 36.351,
319.891


 18, 36.351,
319.891


 68, 36.351,
319.891

 8, 36.351, 319.891

 78, 36.351,
319.891

 0, 36.351, 319.891

 88, 36.351,
319.891

 98, 36.351,
319.891

■ 38, 36.351,
319.891

■ 38, 36.351,
319.891

■ 35, 44.619,
320.239

■ 41, 27.773,
319.493

■ 32, 52.304,
320.506

■ 45, 19.094,
319.071

■ 29, 59.055,
320.651

■ 49, 10.451,
318.639

■ 27, 64.492,
320.629

■ 53, 1.932, 318.159

■ 25, 68.297,
320.398

■ 56, 6.408, 137.855

■ 24, 70.663,
320.164

■ 60, 14.540,
137.463

■ 64, 22.449,
137.104

■ 68, 30.133,
136.774

■ 72, 37.593,
136.471

Harmonies

Complementary

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



38, 36.351, 319.891



49, 35.630, 135.929

Rectangle

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



38, 36.351, 319.891



38, 36.351, 9.891



38, 36.351, 139.891



38, 36.351, 189.891

Sweetspot

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



38, 36.350, 319.891



62, 13.702, 318.683



37, 25.705, 284.762



31, 9.678, 318.766



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, 36.350, 319.891



45, 53.894, 320.236



39, 31.791, 335.886



25, 4.776, 318.499



24, 70.611, 320.164



0, 0.000, 0.000

Inverse Universe

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



38, 24.685, 6.639



46, 37.185, 8.540



49, 31.549, 149.473



25, 3.078, 2.314



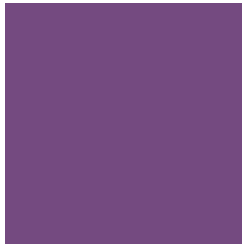
26, 54.000, 25.788



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 36.351, 319.891 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 CIE LCh color 38, 36.351, 319.891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

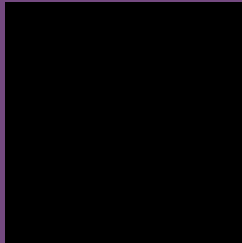
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 36.351, 319.891

Background



This preview shows how black text looks on a background with the CIELCh color 38, 36.351, 319.891.



This preview shows how white text looks on a background with the CIELCh color 38, 36.351, 319.891.

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, 36.351, 319.891

Protanopia

38, 32.112, 285.586

Deuteranopia

38, 22.299, 283.777



Tritanopia
38, 12.883, 2.066

Trichromacy



Original Color
38, 36.351, 319.891

Protanomaly
38, 32.711, 297.418

Deuteranomaly
38, 26.790, 301.073

Tritanomaly
38, 19.964, 335.145

Monochromacy



Original Color
38, 36.351, 319.891

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 13.949, 319.598

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 36.351, 319.891 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(116, 74, 128)` looks like.

```
.text, #text, p{  
    color:rgb(116, 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(116, 74, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 74, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 36.351, 319.891 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(116, 74, 128) }
```

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

```
.border{ border-color:rgb(116, 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(116, 74, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 74, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 74, 128);  
box-shadow:4px 4px 4px 4px rgb(116, 74,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 36.351, 319.891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 74, 128) }
```

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

```
.background{ background-color: rgb(116, 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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