

Converting Colors

CIELCh(38, 30.189, 346.453)

Have a look what the booklet for
CIELCh(38, 30.189, 346.453)
contains.

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Color

CIELCh(38, 29.971, 346.040)

Conversions

Conversions Part 1

Format	Color
Hex	814766
RGB	129, 71, 102
RGB Percent	51%, 28%, 40%
CMY	0.4949, 0.7223, 0.6008
CMYK	0.00, 0.45, 0.21, 0.49
HSL	328°, 29%, 39%
HSV	328°, 45%, 51%
XYZ	13.6508, 10.0881, 13.7471
YIQ	91.8760, 24.6170, 21.9370

Conversions

Conversions Part 2

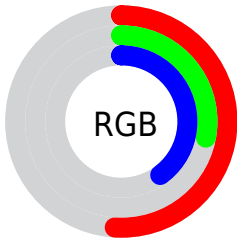
Format	Color
R_{YB}	129, 71, 102
Decimal	8472422
CIE _{Lab}	38.00, 29.09, -7.23
CIE _{LCh}	38, 29.971, 346.040
Yxy	10.0881, 0.3642, 0.2691
Android (android.graphics.Color)	4286662502 (0xFF814766)
YUV	91.8760, 4.9911, 32.5577
Hunter-Lab	31.7617, 21.1343, -3.4288

Details

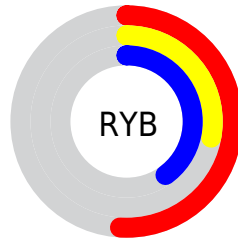
The CIELCh color **38, 29.971, 346.040** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **49, 28.775, 157.545**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 29.853, 345.925**, and **18, 29.865, 346.451** is the 20% darker color. If you saturate the color by 10%, you get **35, 36.112, 347.350**, and if you desaturate by 10%, it is **41, 23.418, 344.908**.

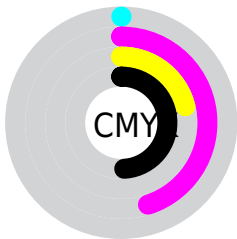
Distribution



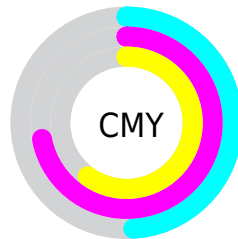
- Red (51%)
- Green (28%)
- Blue (40%)



- Red (51%)
- Yellow (28%)
- Blue (40%)



- Cyan (0%)
- Magenta (45%)
- Yellow (21%)
- Black (49%)




- Cyan (49%)
- Magenta (72%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 29.971, 346.040 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, 29.971, 346.040 by changing the saturation by 10% instead.


 38, 29.971,
346.040

 38, 29.971,
346.040

 100, 29.971,
346.040


 28, 29.971,
346.040

 58, 29.971,
346.040


 18, 29.971,
346.040


 68, 29.971,
346.040

 8, 29.971, 346.040

 78, 29.971,
346.040

 0, 29.971, 346.040

 88, 29.971,
346.040

 98, 29.971,
346.040

38, 29.971,
346.040

38, 29.971,
346.040

35, 36.112,
347.350

41, 23.418,
344.908

32, 41.557,
348.900

45, 16.689,
343.906

30, 45.982,
350.781

48, 9.943, 343.000

29, 49.107,
353.111

52, 3.289, 342.131

27, 50.869,
355.993

56, 3.211, 161.563

27, 51.645,
357.481

60, 9.521, 160.819

63, 15.627,
160.173

67, 21.527,
159.579

71, 27.227,

Harmonies

Complementary

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



38, 29.971, 346.040



49, 28.775, 157.545

Rectangle

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



38, 29.971, 346.040



38, 29.971, 36.040



38, 29.971, 166.040



38, 29.971, 216.040

Sweetspot

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



38, 29.969, 346.041



62, 11.528, 342.941



35, 37.254, 309.671



31, 7.935, 343.100



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, 29.969, 346.041



46, 44.087, 347.387



37, 26.701, 20.175



25, 3.679, 342.491



27, 51.278, 357.440



0, 0.000, 0.000

Inverse Universe

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



38, 29.969, 346.041



46, 44.087, 347.387



50, 20.182, 192.474



25, 3.679, 342.491



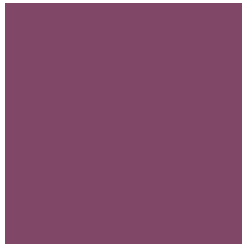
27, 51.278, 357.440



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 38, 29.971, 346.040 looks on a white background.

Color Contrast Check

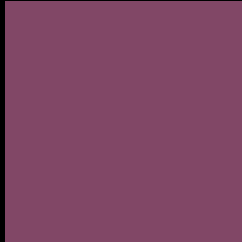
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.971, 346.040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

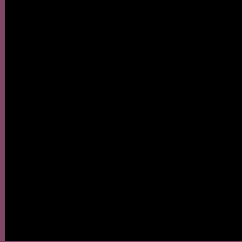
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 29.971, 346.040

Background



This preview shows how black text looks on a background with the CIELCh color 38, 29.971, 346.040.

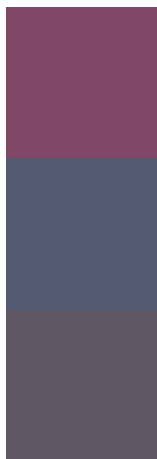


This preview shows how white text looks on a background with the CIELCh color 38, 29.971, 346.040.

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, 29.971, 346.040

Protanopia

38, 15.430, 285.642

Deuteranopia

38, 8.124, 315.128



Tritanopia
38, 23.587, 14.519

Trichromacy



Original Color
38, 29.971, 346.040

Protanomaly
38, 18.746, 314.926

Deuteranomaly
38, 15.892, 334.628

Tritanomaly
38, 25.543, 1.691

Monochromacy



Original Color
38, 29.971, 346.040

Achromatopsia
39, 0.006, 296.813

Achromatomaly
38, 11.519, 341.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 29.971, 346.040 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(129, 71, 102)` looks like.

```
.text, #text, p{  
    color:rgb(129, 71, 102)  
}
```

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(129, 71, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 71, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 29.971, 346.040 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(129, 71, 102) }
```

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

```
.border{ border-color:rgb(129, 71, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 71, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 71, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 71, 102);  
box-shadow:4px 4px 4px 4px rgb(129, 71,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 29.971, 346.040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 71, 102) }
```

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

```
.background{ background-color: rgb(129, 71,  
102) }
```

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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