

Converting Colors

CIELCh(38, 19.814, 346.403)

Have a look what the booklet for
CIELCh(38, 19.814, 346.403)
contains.

CIELCh(38, 19.687, 346.572)	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, 19.687, 346.572)

Conversions

Conversions Part 1

Format	Color
Hex	744E61
RGB	116, 78, 97
RGB Percent	45%, 31%, 38%
CMY	0.5440, 0.6931, 0.6185
CMYK	0.00, 0.33, 0.16, 0.54
HSL	330°, 20%, 38%
HSV	330°, 33%, 46%
XYZ	12.1549, 10.0881, 12.6830
YIQ	91.5280, 16.5490, 13.9650

Conversions

Conversions Part 2

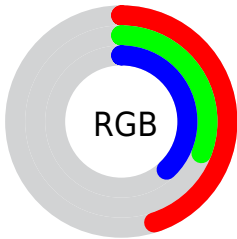
Format	Color
R_{YB}	116, 78, 97
Decimal	7622241
CIE _{Lab}	38.00, 19.15, -4.57
CIE _{LCh}	38, 19.687, 346.572
Yxy	10.0881, 0.3480, 0.2888
Android (android.graphics.Color)	4285812321 (0xFF744E61)
YUV	91.5280, 2.6977, 21.4619
Hunter-Lab	31.7617, 12.7273, -1.4424

Details

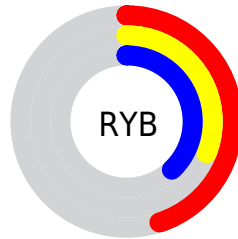
The CIELCh color **38, 19.687, 346.572** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **46, 18.947, 160.751**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **58, 19.622, 346.477**, and **18, 19.598, 346.525** is the 20% darker color. If you saturate the color by 10%, you get **35, 25.677, 347.721**, and if you desaturate by 10%, it is **41, 13.595, 345.560**.

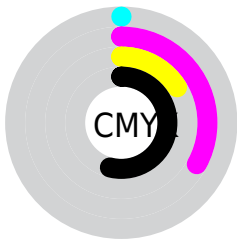
Distribution



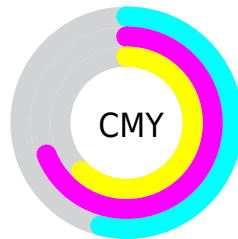
- Red (45%)
- Green (31%)
- Blue (38%)



- Red (45%)
- Yellow (31%)
- Blue (38%)



- Cyan (0%)
- Magenta (33%)
- Yellow (16%)
- Black (54%)





- Cyan (54%)
- Magenta (69%)
- Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.687, 346.572 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, 19.687, 346.572 by changing the saturation by 10% instead.


 38, 19.687,
346.572


 38, 19.687,
346.572

 100, 19.687,
346.572


 28, 19.687,
346.572

 58, 19.687,
346.572


 18, 19.687,
346.572


 68, 19.687,
346.572

 8, 19.687, 346.572

 78, 19.687,
346.572

 0, 19.687, 346.572

 88, 19.687,
346.572

 98, 19.687,
346.572

38, 19.687,
346.572

38, 19.687,
346.572

35, 25.677,
347.721

41, 13.595,
345.560

32, 31.386,
349.050

45, 7.533, 344.644

48, 1.581, 343.694

30, 36.569,
350.625

52, 4.213, 163.188

27, 40.946,
352.536

55, 9.826, 162.468

26, 44.250,
354.901

59, 15.249,
161.827

25, 46.332,
357.854

62, 20.485,
161.237

24, 47.635, 0.130

66, 25.541,
160.690

69, 30.426,

Harmonies

Complementary

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



38, 19.687, 346.572



46, 18.947, 160.751

Rectangle

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



38, 19.687, 346.572



38, 19.687, 36.572



38, 19.687, 166.572



38, 19.687, 216.572

Sweetspot

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



38, 19.685, 346.573



58, 7.309, 344.430



37, 24.728, 310.588



30, 5.032, 344.527



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 19.685, 346.573



46, 28.997, 347.394



37, 17.307, 22.046



23, 3.350, 344.324



25, 49.386, 0.373



54, 83.347, 2.906

Inverse Universe

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



38, 19.685, 346.573



46, 28.997, 347.394



46, 13.980, 197.878



23, 3.350, 344.324



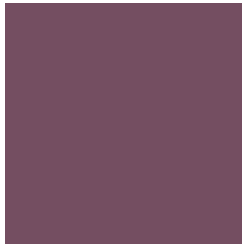
25, 49.386, 0.373



54, 83.347, 2.906

Previews

White Background



This preview shows how the CIELCh color 38, 19.687, 346.572 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, 19.687, 346.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

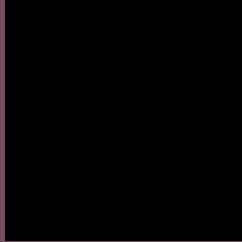
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 19.687, 346.572

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.687, 346.572.



This preview shows how white text looks on a background with the CIELCh color 38, 19.687, 346.572.

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, 19.687, 346.572

Protanopia
38, 9.245, 286.747

Deuteranopia
38, 6.720, 324.896



Tritanopia
38, 15.828, 8.601

Trichromacy



Original Color
38, 19.687, 346.572

Protanomaly
38, 11.787, 318.412

Deuteranomaly
38, 10.886, 338.474

Tritanomaly
38, 16.925, 358.849

Monochromacy



Original Color
38, 19.687, 346.572

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 7.334, 344.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.687, 346.572 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, 78, 97)` looks like.

```
.text, #text, p{  
    color:rgb(116, 78, 97)  
}
```

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, 78, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 78, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.687, 346.572 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, 78, 97) }
```

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

```
.border{ border-color:rgb(116, 78, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 78, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 78, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 78, 97);  
box-shadow:4px 4px 4px 4px rgb(116, 78,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.687, 346.572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 78, 97) }
```

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

```
.background{ background-color: rgb(116, 78,  
97) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor