

Converting Colors

CIELCh(38, 20.945, 347.738)

Have a look what the booklet for
CIELCh(38, 20.945, 347.738)
contains.

CIELCh(38, 21.034, 347.503)	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, 21.034, 347.503)

Conversions

Conversions Part 1

Format	Color
Hex	764D61
RGB	118, 77, 97
RGB Percent	46%, 30%, 38%
CMY	0.5361, 0.6969, 0.6185
CMYK	0.00, 0.35, 0.18, 0.54
HSL	331°, 21%, 38%
HSV	331°, 35%, 46%
XYZ	12.3568, 10.0881, 12.6751
YIQ	91.5390, 18.0160, 14.9120

Conversions

Conversions Part 2

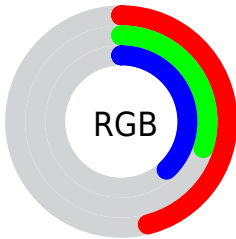
Format	Color
RYB	118, 77, 97
Decimal	7753057
CIELab	38.00, 20.54, -4.55
CIELCh	38, 21.034, 347.503
Yxy	10.0881, 0.3518, 0.2872
Android (android.graphics.Color)	4285943137 (0xFF764D61)
YUV	91.5390, 2.6923, 23.2063
Hunter-Lab	31.7617, 13.8617, -1.4277

Details

The CIELCh color $[38, 21.034, 347.503]$ is a dark color, and the websafe version is hex `#996666`. A complement of this color would be $[46, 20.147, 161.171]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 20.899, 347.240]$, and $[18, 20.631, 346.892]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 27.038, 348.712]$, and if you desaturate by 10%, it is $[41, 14.900, 346.447]$.

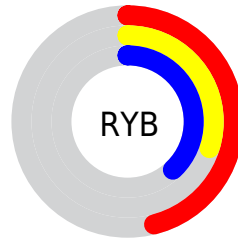
Distribution



Red (46%)

Green (30%)

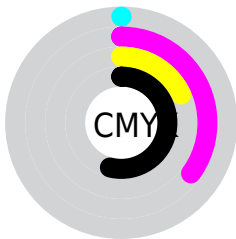
Blue (38%)



Red (46%)

Yellow (30%)

Blue (38%)

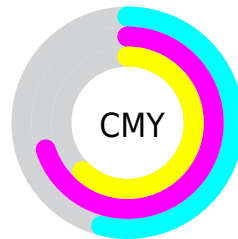


Cyan (0%)

Magenta (35%)

Yellow (18%)

Black (54%)



Cyan (54%)


Magenta (70%)

Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.034, 347.503 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, 21.034, 347.503 by changing the saturation by 10% instead.


 38, 21.034,
347.503


 38, 21.034,
347.503

 100, 21.034,
347.503


 28, 21.034,
347.503

 58, 21.034,
347.503


 18, 21.034,
347.503


 68, 21.034,
347.503

 8, 21.034, 347.503

 78, 21.034,
347.503

 0, 21.034, 347.503

 88, 21.034,
347.503

 98, 21.034,
347.503

38, 21.034,
347.503

38, 21.034,
347.503

35, 27.038,
348.712

41, 14.900,
346.447

32, 32.719,
350.122

45, 8.781, 345.499

48, 2.765, 344.588

30, 37.820,
351.807

52, 3.095, 164.013

28, 42.055,
353.866

55, 8.773, 163.254

26, 45.168,
356.431

59, 14.258,
162.595

25, 47.114,
359.599

62, 19.551,
161.991

24, 48.100, 1.317

66, 24.659,
161.432

70, 29.592,

Harmonies

Complementary

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



38, 21.034, 347.503



46, 20.147, 161.171

Rectangle

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



38, 21.034, 347.503



38, 21.034, 37.503



38, 21.034, 167.503



38, 21.034, 217.503

Sweetspot

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



38, 21.032, 347.504



59, 7.350, 345.102



36, 26.656, 310.693



30, 4.991, 345.199



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, 21.032, 347.504



46, 31.408, 348.502



37, 18.749, 22.297



23, 3.323, 344.993



25, 49.273, 1.483



54, 83.235, 4.097

Inverse Universe

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



38, 21.032, 347.504



46, 31.408, 348.502



47, 14.919, 197.795



23, 3.323, 344.993



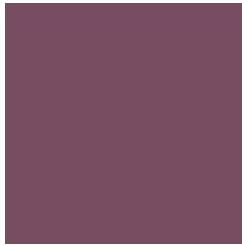
25, 49.273, 1.483



54, 83.235, 4.097

Previews

White Background



This preview shows how the CIELCh color 38, 21.034, 347.503 looks on a white background.

Color Contrast Check

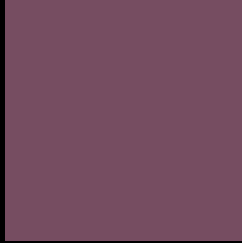
Large Text (above 18pt) WCAG AA ✓ Pass

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, 21.034, 347.503 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

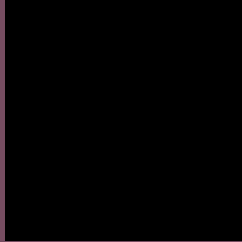
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 21.034, 347.503

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.034, 347.503.



This preview shows how white text looks on a background with the CIELCh color 38, 21.034, 347.503.

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, 21.034, 347.503

Protanopia

38, 9.857, 287.166

Deuteranopia

38, 6.720, 324.896



Tritanopia
38, 17.180, 9.923

Trichromacy



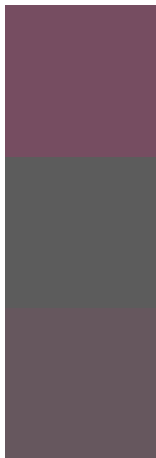
Original Color
38, 21.034, 347.503

Protanomaly
38, 11.787, 318.412

Deuteranomaly
38, 11.920, 339.194

Tritanomaly
38, 18.174, 0.804

Monochromacy



Original Color
38, 21.034, 347.503

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 7.684, 346.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.034, 347.503 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(118, 77, 97)` looks like.

```
.text, #text, p{  
    color:rgb(118, 77, 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(118, 77, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 77, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.034, 347.503 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(118, 77, 97) }
```

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

```
.border{ border-color:rgb(118, 77, 97) }
```

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

Here you see how a box with a 4 pixel rgb(118, 77, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 77, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 77, 97);  
box-shadow:4px 4px 4px 4px rgb(118, 77,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.034, 347.503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 77, 97) }
```

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

```
.background{ background-color: rgb(118, 77,  
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