

Converting Colors

CIELCh(38, 16.672, 343.013)

Have a look what the booklet for
CIELCh(38, 16.672, 343.013)
contains.

CIELCh(38, 17.007, 341.732)	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, 17.007, 341.732)

Conversions

Conversions Part 1

Format	Color
Hex	6F5062
RGB	111, 80, 98
RGB Percent	44%, 31%, 38%
CMY	0.5631, 0.6848, 0.6142
CMYK	0.00, 0.28, 0.12, 0.56
HSL	325°, 16%, 38%
HSV	325°, 28%, 44%
XYZ	11.7259, 10.0881, 12.9811
YIQ	91.3210, 12.6980, 12.1700

Conversions

Conversions Part 2

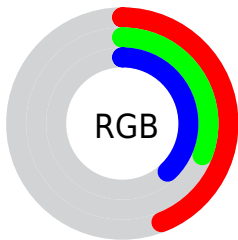
Format	Color
R_{YB}	111, 80, 98
Decimal	7295074
CIE _{Lab}	38.00, 16.15, -5.33
CIE _{LCh}	38, 17.007, 341.732
Yxy	10.0881, 0.3370, 0.2899
Android (android.graphics.Color)	4285485154 (0xFF6F5062)
YUV	91.3210, 3.2927, 17.2585
Hunter-Lab	31.7617, 10.3165, -1.9988

Details

The CIELCh color $[38, 17.007, 341.732]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[44, 16.647, 157.292]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[58, 16.781, 341.376]$, and $[18, 17.178, 341.602]$ is the 20% darker color. If you saturate the color by 10%, you get $[35, 23.106, 342.673]$, and if you desaturate by 10%, it is $[41, 10.843, 340.877]$.

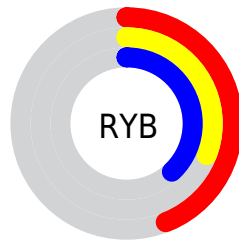
Distribution



Red (44%)

Green (31%)

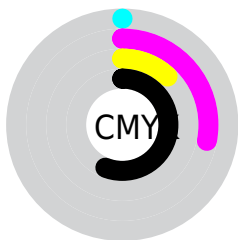
Blue (38%)



Red (44%)

Yellow (31%)

Blue (38%)

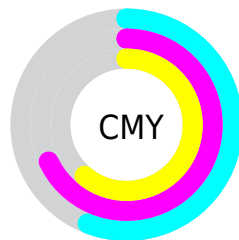


Cyan (0%)

Magenta (28%)

Yellow (12%)

Black (56%)



Cyan (56%)


Magenta (68%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 17.007, 341.732 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, 17.007, 341.732 by changing the saturation by 10% instead.


 38, 17.007,
341.732


 38, 17.007,
341.732

 100, 17.007,
341.732


 28, 17.007,
341.732

 58, 17.007,
341.732


 18, 17.007,
341.732


 68, 17.007,
341.732

 8, 17.007, 341.732

 78, 17.007,
341.732

 0, 17.007, 341.732

 88, 17.007,
341.732

 98, 17.007,
341.732

■ 38, 17.007,
341.732

■ 38, 17.007,
341.732

■ 35, 23.106,
342.673

■ 41, 10.843,
340.877

■ 32, 28.986,
343.725

■ 44, 4.726, 340.072

■ 48, 1.277, 159.600

■ 30, 34.431,
344.926

■ 51, 7.126, 158.777

■ 27, 39.174,
346.330

■ 54, 12.802,
158.143

■ 26, 42.934,
348.013

■ 58, 18.299,
157.559

■ 24, 45.478,
350.074


■ 61, 23.619,
157.015

■ 23, 47.079,
352.467

■ 65, 28.768,
156.507

■ 23, 47.444,

352.971

 68, 33.756,
156.030

Harmonies

Complementary

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



38, 17.007, 341.732



44, 16.647, 157.292

Rectangle

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



38, 17.007, 341.732



38, 17.007, 31.732



38, 17.007, 161.732



38, 17.007, 211.732

Sweetspot

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



38, 17.005, 341.733



57, 5.996, 340.102



37, 19.962, 307.530



29, 4.299, 340.202



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



38, 17.005, 341.733



47, 25.080, 342.289



38, 13.900, 15.040



22, 3.411, 340.165



25, 49.914, 353.247



54, 84.457, 355.273

Inverse Universe

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



38, 17.005, 341.733



47, 25.080, 342.289



45, 11.974, 190.583



22, 3.411, 340.165



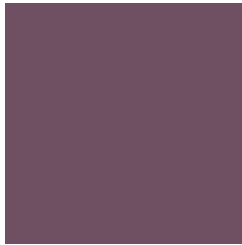
25, 49.914, 353.247



54, 84.457, 355.273

Previews

White Background



This preview shows how the CIELCh color 38, 17.007, 341.732 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 ✓ Pass

Black Background



This preview shows how the CIE LCh color 38, 17.007, 341.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

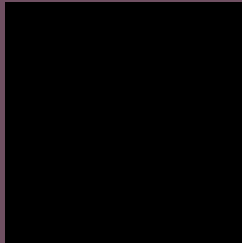
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 17.007, 341.732

Background



This preview shows how black text looks on a background with the CIELCh color 38, 17.007, 341.732.



This preview shows how white text looks on a background with the CIELCh color 38, 17.007, 341.732.

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, 17.007, 341.732

Protanopia
38, 9.245, 286.747

Deuteranopia
38, 7.026, 319.217



Tritanopia
38, 12.742, 4.704

Trichromacy



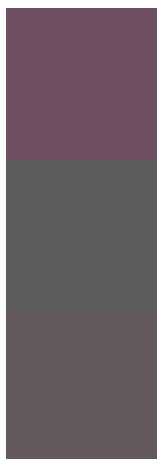
Original Color
38, 17.007, 341.732

Protanomaly
38, 10.710, 313.924

Deuteranomaly
38, 10.434, 330.997

Tritanomaly
38, 14.505, 354.132

Monochromacy



Original Color
38, 17.007, 341.732

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 5.945, 342.074

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 17.007, 341.732 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(111, 80, 98)` looks like.

```
.text, #text, p{  
    color:rgb(111, 80, 98)  
}
```

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(111, 80, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 80, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 17.007, 341.732 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(111, 80, 98) }
```

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

```
.border{ border-color:rgb(111, 80, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 80, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 80, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 80, 98);  
box-shadow:4px 4px 4px 4px rgb(111, 80,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 17.007, 341.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 80, 98) }
```

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

```
.background{ background-color: rgb(111, 80,  
98) }
```

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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