

Converting Colors

CIELCh(38, 14.831, 77.311)

Have a look what the booklet for
CIELCh(38, 14.831, 77.311) contains.

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Color

CIELCh(38, 14.980, 77.954)

Conversions

Conversions Part 1

Format	Color
Hex	675742
RGB	103, 87, 66
RGB Percent	40%, 34%, 26%
CMY	0.5962, 0.6589, 0.7413
CMYK	0.00, 0.16, 0.36, 0.60
HSL	34°, 22%, 33%
HSV	34°, 36%, 40%
XYZ	9.9800, 10.0881, 6.5721
YIQ	89.3900, 16.2770, -3.1390

Conversions

Conversions Part 2

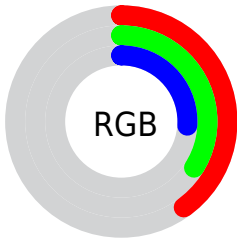
Format	Color
RYB	94, 103, 66
Decimal	6772546
CIELab	38.00, 3.13, 14.65
CIELCh	38, 14.980, 77.954
Yxy	10.0881, 0.3746, 0.3787
Android (android.graphics.Color)	4284962626 (0xFF675742)
YUV	89.3900, -11.5313, 11.9360
Hunter-Lab	31.7617, 0.5042, 9.9650

Details

The CIELCh color **38, 14.980, 77.954** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 14.171, 267.928**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 15.140, 78.371**, and **18, 14.969, 78.211** is the 20% darker color. If you saturate the color by 10%, you get **37, 19.456, 76.674**, and if you desaturate by 10%, it is **40, 10.632, 79.217**.

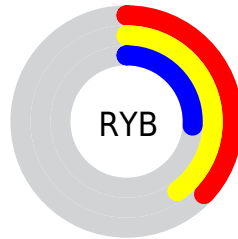
Distribution



Red (40%)

Green (34%)

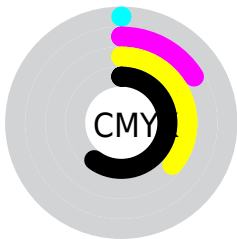
Blue (26%)



Red (37%)

Yellow (40%)

Blue (26%)

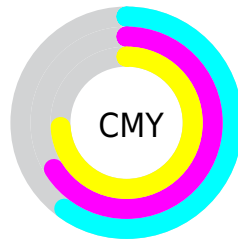


Cyan (0%)

Magenta (16%)

Yellow (36%)

Black (60%)



Cyan (60%)

Magenta (66%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 14.980, 77.954 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, 14.980, 77.954 by changing the saturation by 10% instead.

■ 38, 14.980, 77.954

■ 38, 14.980, 77.954

■ 100, 14.980,
77.954

■ 28, 14.980, 77.954

■ 58, 14.980, 77.954

■ 18, 14.980, 77.954

■ 68, 14.980, 77.954

■ 8, 14.980, 77.954

■ 78, 14.980, 77.954

■ 0, 14.980, 77.954

■ 88, 14.980, 77.954

■ 98, 14.980, 77.954

■ 38, 14.980, 77.954

■ 38, 14.980, 77.954

■ 37, 19.456, 76.674

■ 40, 10.632, 79.217

■ 35, 24.026, 75.354

■ 41, 6.422, 80.440

■ 34, 28.619, 73.982

■ 43, 2.348, 81.592

■ 32, 33.091, 72.510

■ 44, 1.596, 262.965

■ 31, 37.181, 70.840

■ 46, 5.421, 264.010

■ 30, 40.825, 69.024

■ 47, 9.136, 265.083

■ 29, 42.417, 68.426

■ 49, 12.753,
266.122

■ 51, 16.282,
267.118

■ 52, 19.730,
268.071

Harmonies

Complementary

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



38, 14.980, 77.954



34, 14.171, 267.928

Rectangle

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



38, 14.980, 77.954



38, 14.980, 127.954



38, 14.980, 257.954



38, 14.980, 307.954

Sweetspot

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



38, 14.980, 77.960



53, 5.416, 80.989



33, 18.871, 350.877



27, 3.615, 80.885



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



38, 14.980, 77.960



47, 22.360, 76.901



43, 21.901, 109.893



20, 2.219, 81.264



33, 46.047, 68.058



67, 80.322, 65.778

Inverse Universe

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



34, 14.171, 267.928



42, 20.871, 269.692



30, 23.798, 296.568



20, 2.196, 263.533



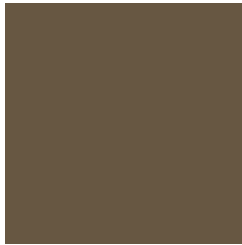
22, 43.697, 288.110



48, 80.663, 290.762

Previews

White Background



This preview shows how the CIELCh color 38, 14.980, 77.954 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 CIELCh color 38, 14.980, 77.954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

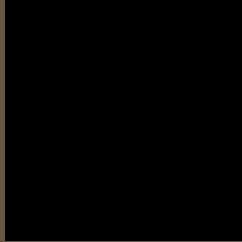
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 14.980, 77.954

Background



This preview shows how black text looks on a background with the CIELCh color 38, 14.980, 77.954.

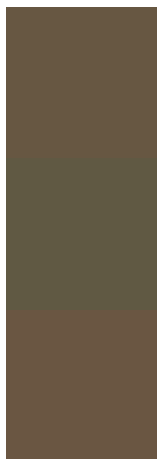


This preview shows how white text looks on a background with the CIELCh color 38, 14.980, 77.954.

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, 14.980, 77.954

Protanopia

38, 13.825, 94.409

Deuteranopia

38, 15.603, 70.994



Tritanopia
38, 10.183, 359.857

Trichromacy



Original Color
38, 14.980, 77.954

Protanomaly
38, 13.863, 86.379

Deuteranomaly
38, 15.305, 72.382

Tritanomaly
38, 9.309, 35.726

Monochromacy



Original Color
38, 14.980, 77.954

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 5.038, 77.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 14.980, 77.954 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(103, 87, 66)` looks like.

```
.text, #text, p{  
    color:rgb(103, 87, 66)  
}
```

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(103, 87, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 87, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 14.980, 77.954 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(103, 87, 66) }
```

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

```
.border{ border-color:rgb(103, 87, 66) }
```

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

Here you see how a box with a 4 pixel rgb(103, 87, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 87, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 87, 66);  
box-shadow:4px 4px 4px 4px rgb(103, 87,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 14.980, 77.954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 87, 66) }
```

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

```
.background{ background-color: rgb(103, 87,  
66) }
```

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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