

Converting Colors

CIELCh(38, 27.960, 26.606)

Have a look what the booklet for
CIELCh(38, 27.960, 26.606) contains.

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Color

CIELCh(38, 27.824, 27.452)

Conversions

Conversions Part 1

Format	Color
Hex	844946
RGB	132, 73, 70
RGB Percent	52%, 29%, 27%
CMY	0.4828, 0.7141, 0.7259
CMYK	0.00, 0.45, 0.47, 0.48
HSL	3°, 31%, 40%
HSV	3°, 47%, 52%
XYZ	12.9749, 10.0881, 7.0410
YIQ	90.2990, 36.1270, 11.5750

Conversions

Conversions Part 2

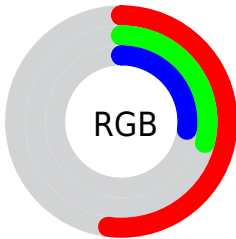
Format	Color
RYB	132, 73, 70
Decimal	8669510
CIELab	38.00, 24.69, 12.83
CIELCh	38, 27.824, 27.452
Yxy	10.0881, 0.4310, 0.3351
Android (android.graphics.Color)	4286859590 (0xFF844946)
YUV	90.2990, -10.0074, 36.5718
Hunter-Lab	31.7617, 17.3358, 9.0897

Details

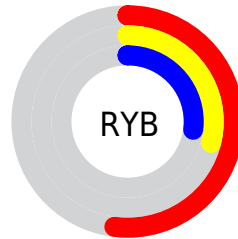
The CIELCh color **38, 27.824, 27.452** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **50, 19.860, 202.543**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 27.582, 28.144**, and **18, 27.585, 27.398** is the 20% darker color. If you saturate the color by 10%, you get **35, 34.803, 29.123**, and if you desaturate by 10%, it is **41, 21.149, 26.173**.

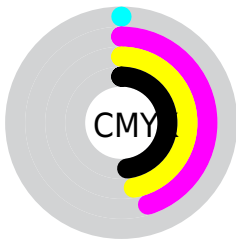
Distribution



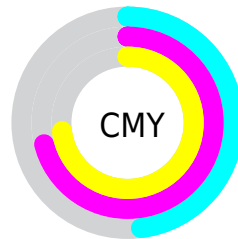
- Red (52%)
- Green (29%)
- Blue (27%)



- Red (52%)
- Yellow (29%)
- Blue (27%)



- Cyan (0%)
- Magenta (45%)
- Yellow (47%)
- Black (48%)



- Cyan (48%)
- Magenta (71%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 27.824, 27.452 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, 27.824, 27.452 by changing the saturation by 10% instead.

■ 38, 27.824, 27.452

■ 38, 27.824, 27.452

■ 100, 27.824,
27.452

■ 28, 27.824, 27.452

■ 58, 27.824, 27.452

■ 18, 27.824, 27.452

■ 68, 27.824, 27.452

■ 8, 27.824, 27.452

■ 78, 27.824, 27.452

■ 0, 27.824, 27.452

■ 88, 27.824, 27.452

■ 98, 27.824, 27.452

■ 38, 27.824, 27.452

■ 38, 27.824, 27.452

■ 35, 34.803, 29.123

■ 41, 21.149, 26.173

■ 32, 41.946, 31.240

■ 45, 14.864, 25.195

■ 30, 49.029, 33.808

■ 49, 9.002, 24.447

■ 28, 55.665, 36.632

■ 52, 3.564, 23.829

■ 27, 60.840, 38.877

■ 56, 1.471, 203.811

■ 27, 62.177, 39.531

■ 60, 6.134, 203.295

■ 64, 10.462,
203.041

■ 68, 14.493,
202.865

■ 72, 18.261,
202.741

Harmonies

Complementary

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



38, 27.824, 27.452



50, 19.860, 202.543

Rectangle

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



38, 27.824, 27.452



38, 27.824, 77.452



38, 27.824, 207.452



38, 27.824, 257.452

Sweetspot

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



38, 27.822, 27.456



63, 9.065, 24.275



39, 42.191, 327.799



32, 6.354, 24.394



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



38, 27.822, 27.456



45, 42.280, 29.171



46, 24.086, 73.066



26, 2.909, 23.961



26, 61.450, 39.442



0, 0.674, 23.637

Inverse Universe

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



50, 19.860, 202.543



63, 27.649, 202.562



41, 21.734, 267.228



27, 2.750, 203.398



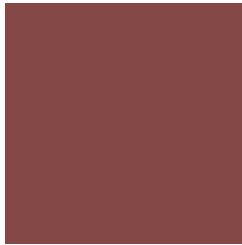
47, 28.555, 204.148



1, 0.674, 203.655

Previews

White Background



This preview shows how the CIELCh color 38, 27.824, 27.452 looks on a white background.

Color Contrast Check

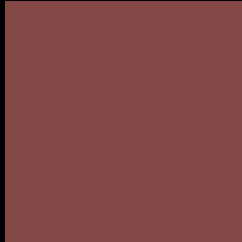
Large Text (above 18pt) WCAG AA ✓ Pass

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, 27.824, 27.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

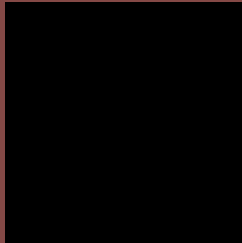
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 27.824, 27.452

Background



This preview shows how black text looks on a background with the CIELCh color 38, 27.824, 27.452.

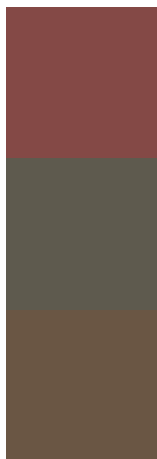


This preview shows how white text looks on a background with the CIELCh color 38, 27.824, 27.452.

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, 27.824, 27.452

Protanopia

38, 7.544, 95.339

Deuteranopia

38, 14.606, 68.469



Tritanopia
38, 27.392, 17.774

Trichromacy



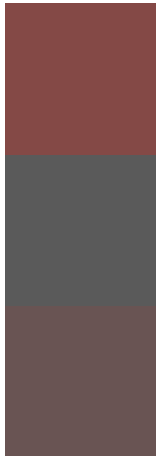
Original Color
38, 27.824, 27.452

Protanomaly
38, 12.420, 46.844

Deuteranomaly
38, 17.851, 45.386

Tritanomaly
38, 27.649, 21.508

Monochromacy



Original Color
38, 27.824, 27.452

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 9.352, 24.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 27.824, 27.452 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(132, 73, 70)` looks like.

```
.text, #text, p{  
    color:rgb(132, 73, 70)  
}
```

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(132, 73, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 73, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 27.824, 27.452 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(132, 73, 70) }
```

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

```
.border{ border-color:rgb(132, 73, 70) }
```

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

Here you see how a box with a 4 pixel rgb(132, 73, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 73, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 73, 70);  
box-shadow:4px 4px 4px 4px rgb(132, 73,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 27.824, 27.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 73, 70) }
```

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

```
.background{ background-color: rgb(132, 73,  
70) }
```

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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