

Converting Colors

CIELCh(38, 31.817, 4.519)

Have a look what the booklet for
CIELCh(38, 31.817, 4.519) contains.

CIELCh(38, 31.634, 4.244)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 31.634, 4.244)

Conversions

Conversions Part 1

Format	Color
Hex	894457
RGB	137, 68, 87
RGB Percent	54%, 27%, 34%
CMY	0.4637, 0.7342, 0.6597
CMYK	0.00, 0.50, 0.37, 0.46
HSL	343°, 34%, 40%
HSV	343°, 50%, 54%
XYZ	14.0394, 10.0881, 10.1763
YIQ	90.7970, 35.0250, 20.5370

Conversions

Conversions Part 2

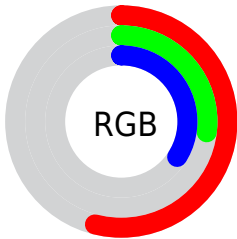
Format	Color
R_{YB}	137, 68, 87
Decimal	8995927
CIE _{Lab}	38.00, 31.55, 2.34
CIE _{LCh}	38, 31.634, 4.244
Yxy	10.0881, 0.4093, 0.2941
Android (android.graphics.Color)	4287186007 (0xFF894457)
YUV	90.7970, -1.8719, 40.5200
Hunter-Lab	31.7617, 23.3182, 3.2370

Details

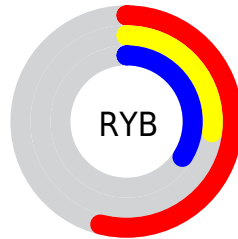
The CIELCh color **38, 31.634, 4.244** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **52, 26.924, 172.492**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 31.914, 3.982**, and **18, 31.785, 3.895** is the 20% darker color. If you saturate the color by 10%, you get **35, 37.761, 6.484**, and if you desaturate by 10%, it is **41, 25.223, 2.436**.

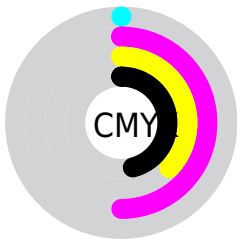
Distribution



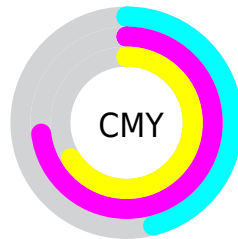
- Red (54%)
- Green (27%)
- Blue (34%)



- Red (54%)
- Yellow (27%)
- Blue (34%)



- Cyan (0%)
- Magenta (50%)
- Yellow (37%)
- Black (46%)



- Cyan (46%)
- Magenta (73%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 31.634, 4.244 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, 31.634, 4.244 by changing the saturation by 10% instead.

 38, 31.634, 4.244  38, 31.634, 4.244

 100, 31.634, 4.244  28, 31.634, 4.244

 58, 31.634, 4.244  18, 31.634, 4.244


 68, 31.634, 4.244  8, 31.634, 4.244

 78, 31.634, 4.244  0, 31.634, 4.244

 88, 31.634, 4.244

 98, 31.634, 4.244

 38, 31.634, 4.244  38, 31.634, 4.244

 35, 37.761, 6.484  41, 25.223, 2.436

 32, 43.348, 9.288  45, 18.753, 0.944

30, 48.148, 12.812

49, 12.378,
359.686

29, 52.041, 17.175

53, 6.196, 358.589

28, 55.365, 21.740

57, 0.257, 356.292

61, 5.417, 176.972

65, 10.826,
176.210

69, 15.980,
175.545

73, 20.896,
174.945

Harmonies

Complementary

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



38, 31.634, 4.244



52, 26.924, 172.492

Rectangle

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



38, 31.634, 4.244



38, 31.634, 54.244



38, 31.634, 184.244



38, 31.634, 234.244

Sweetspot

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



38, 31.632, 4.246



65, 11.181, 359.111



37, 45.231, 318.292



33, 7.626, 359.311



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 31.632, 4.246



45, 47.284, 6.973



41, 27.701, 41.266



27, 3.360, 358.455



27, 54.089, 21.556



0, 1.530, 357.677

Inverse Universe

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



38, 31.632, 4.246



45, 47.284, 6.973



48, 19.288, 225.219



27, 3.360, 358.455



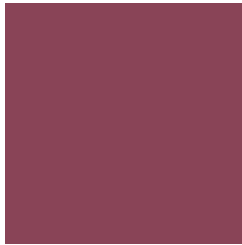
27, 54.089, 21.556



0, 1.530, 357.677

Previews

White Background



This preview shows how the CIELCh color 38, 31.634, 4.244 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, 31.634, 4.244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

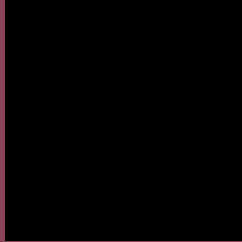
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 31.634, 4.244

Background



This preview shows how black text looks on a background with the CIELCh color 38, 31.634, 4.244.



This preview shows how white text looks on a background with the CIELCh color 38, 31.634, 4.244.

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, 31.634, 4.244

Protanopia

38, 6.154, 291.154

Deuteranopia

38, 6.440, 36.662



Tritanopia
38, 30.221, 18.957

Trichromacy



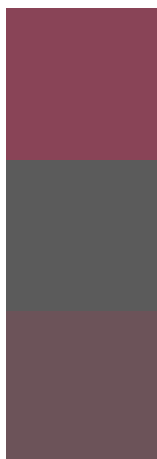
Original Color
38, 31.634, 4.244

Protanomaly
37, 13.617, 342.391

Deuteranomaly
38, 15.323, 10.378

Tritanomaly
38, 30.456, 13.552

Monochromacy



Original Color
38, 31.634, 4.244

Achromatopsia
39, 0.005, 296.813

Achromatomaly
38, 11.449, 2.514

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 31.634, 4.244 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(137, 68, 87)` looks like.

```
.text, #text, p{  
    color:rgb(137, 68, 87)  
}
```

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(137, 68, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 68, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 31.634, 4.244 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(137, 68, 87) }
```

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

```
.border{ border-color:rgb(137, 68, 87) }
```

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

Here you see how a box with a 4 pixel rgb(137, 68, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 68, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 68, 87);  
box-shadow:4px 4px 4px 4px rgb(137, 68,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 31.634, 4.244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 68, 87) }
```

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

```
.background{ background-color: rgb(137, 68,  
87) }
```

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