

Converting Colors

CIELCh(38, 12.872, 134.904)

Have a look what the booklet for
CIELCh(38, 12.872, 134.904)
contains.

CIELCh(38, 12.963, 134.389)	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, 12.963, 134.389)

Conversions

Conversions Part 1

Format	Color
Hex	505D4A
RGB	80, 93, 74
RGB Percent	31%, 36%, 29%
CMY	0.6853, 0.6343, 0.7088
CMYK	0.14, 0.00, 0.20, 0.63
HSL	101°, 11%, 33%
HSV	101°, 20%, 37%
XYZ	8.5108, 10.0881, 8.0209
YIQ	86.9470, -1.6490, -8.6650

Conversions

Conversions Part 2

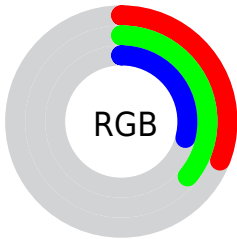
Format	Color
R_{YB}	74, 93, 87
Decimal	5266762
CIE Lab	38.00, -9.07, 9.26
CIE LCh	38, 12.963, 134.389
Yxy	10.0881, 0.3197, 0.3790
Android (android.graphics.Color)	4283456842 (0xFF505D4A)
YUV	86.9470, -6.3829, -6.0925
Hunter-Lab	31.7617, -7.7523, 7.2604

Details

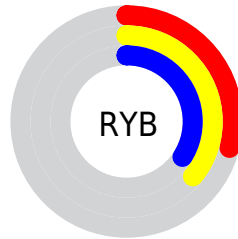
The CIELCh color **38, 12.963, 134.389** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **33, 13.162, 316.025**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 12.679, 135.148**, and **18, 13.059, 134.496** is the 20% darker color. If you saturate the color by 10%, you get **37, 19.324, 133.913**, and if you desaturate by 10%, it is **39, 6.586, 134.836**.

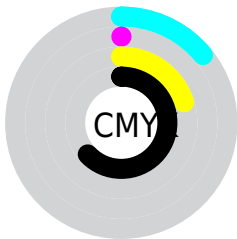
Distribution



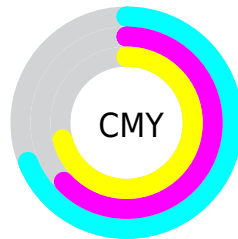
- Red (31%)
- Green (36%)
- Blue (29%)



- Red (29%)
- Yellow (36%)
- Blue (34%)



- Cyan (14%)
- Magenta (0%)
- Yellow (20%)
- Black (63%)




- Cyan (69%)
- Magenta (63%)
- Yellow (71%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 12.963, 134.389 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, 12.963, 134.389 by changing the saturation by 10% instead.

 38, 12.963,
134.389

 38, 12.963,
134.389

 100, 12.963,
134.389


 28, 12.963,
134.389

 58, 12.963,
134.389

 18, 12.963,
134.389


 68, 12.963,
134.389

 8, 12.963, 134.389

 78, 12.963,
134.389

 0, 12.963, 134.389

 88, 12.963,
134.389

 98, 12.963,
134.389

■ 38, 12.963,
134.389

■ 38, 12.963,
134.389

■ 37, 19.324,
133.913

■ 39, 6.586, 134.836

■ 37, 25.599,
133.411

■ 40, 0.238, 135.642

■ 40, 6.043, 315.555

■ 36, 31.698,
132.906

■ 41, 12.232,
315.877

■ 36, 37.496,
132.437

■ 42, 18.312,
316.155

■ 35, 42.826,
132.065

■ 43, 24.271,
316.397

■ 35, 47.475,
131.878

■ 44, 30.102,
316.608

■ 35, 51.213,
131.974

■ 45, 35.802,
316.791

■ 34, 54.497,

131.924

■ 47, 41.370,
316.949

Harmonies

Complementary

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



38, 12.963, 134.389



33, 13.162, 316.025

Rectangle

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



38, 12.963, 134.389



38, 12.963, 184.389



38, 12.963, 314.389



38, 12.963, 4.389

Sweetspot

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



38, 12.964, 134.390



51, 4.749, 135.018



37, 8.429, 90.058



25, 3.121, 135.002



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



38, 12.964, 134.390



49, 19.099, 134.185



38, 12.585, 148.660



18, 3.504, 134.904



40, 61.263, 132.206



83, 109.093, 133.059

Inverse Universe

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



33, 13.162, 316.025



42, 19.452, 316.205



34, 12.628, 331.114



17, 3.532, 315.552



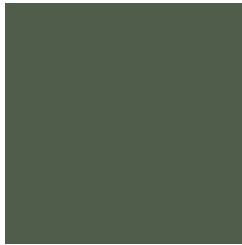
18, 64.322, 317.325



44, 113.793, 316.715

Previews

White Background



This preview shows how the CIE LCh color 38, 12.963, 134.389 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, 12.963, 134.389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

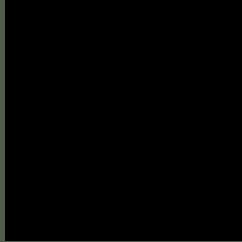
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

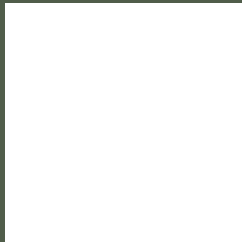
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 12.963, 134.389

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.963, 134.389.

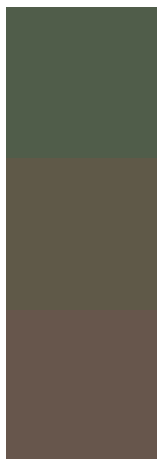


This preview shows how white text looks on a background with the CIELCh color 38, 12.963, 134.389.

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, 12.963, 134.389

Protanopia

38, 10.753, 93.758

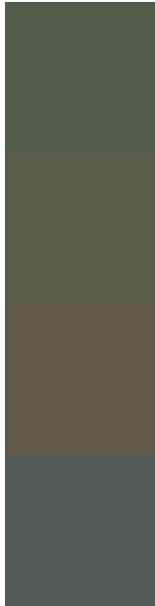
Deuteranopia

38, 9.928, 58.031



Tritanopia
38, 4.892, 261.207

Trichromacy



Original Color
38, 12.963, 134.389

Protanomaly
38, 10.984, 110.758

Deuteranomaly
38, 8.986, 91.261

Tritanomaly
38, 3.574, 178.856

Monochromacy



Original Color
38, 12.963, 134.389

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.651, 131.237

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.963, 134.389 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(80, 93, 74)` looks like.

```
.text, #text, p{  
    color:rgb(80, 93, 74)  
}
```

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(80, 93, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 93, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.963, 134.389 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(80, 93, 74) }
```

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

```
.border{ border-color:rgb(80, 93, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 93, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 93, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 93, 74);  
box-shadow:4px 4px 4px 4px rgb(80, 93, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.963, 134.389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 93, 74) }
```

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

```
.background{ background-color: rgb(80, 93,  
74) }
```

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