

Converting Colors

CIELCh(38, 8.536, 197.082)

Have a look what the booklet for
CIELCh(38, 8.536, 197.082) contains.

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Color

CIELCh(38, 8.772, 194.251)

Conversions

Conversions Part 1

Format	Color
Hex	485E5D
RGB	72, 94, 93
RGB Percent	28%, 37%, 36%
CMY	0.7190, 0.6328, 0.6367
CMYK	0.23, 0.00, 0.01, 0.63
HSL	177°, 13%, 32%
HSV	177°, 23%, 37%
XYZ	8.5756, 10.0881, 11.7663
YIQ	87.3080, -12.7910, -4.9750

Conversions

Conversions Part 2

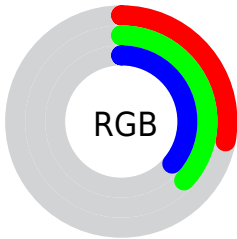
Format	Color
R_{YB}	72, 83, 94
Decimal	4742749
CIE Lab	38.00, -8.50, -2.16
CIE LCh	38, 8.772, 194.251
Yxy	10.0881, 0.2818, 0.3315
Android (android.graphics.Color)	4282932829 (0xFF485E5D)
YUV	87.3080, 2.8062, -13.4251
Hunter-Lab	31.7617, -7.3884, 0.2688

Details

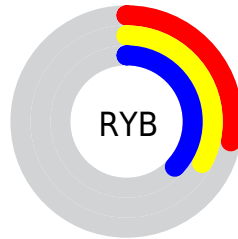
The CIELCh color **38, 8.772, 194.251** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **33, 10.007, 17.450**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 8.645, 194.831**, and **18, 8.900, 193.145** is the 20% darker color. If you saturate the color by 10%, you get **37, 12.126, 193.657**, and if you desaturate by 10%, it is **39, 5.167, 194.865**.

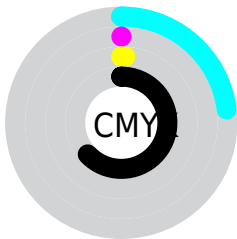
Distribution



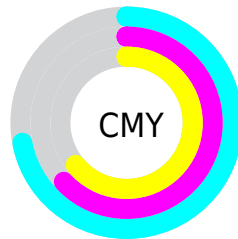
- Red (28%)
- Green (37%)
- Blue (36%)



- Red (28%)
- Yellow (33%)
- Blue (37%)



- Cyan (23%)
- Magenta (0%)
- Yellow (1%)
- Black (63%)



- Cyan (72%)
- Magenta (63%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 8.772, 194.251 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, 8.772, 194.251 by changing the saturation by 10% instead.

■ 38, 8.772, 194.251 ■ 38, 8.772, 194.251

■ 100, 8.772,
194.251 ■ 28, 8.772, 194.251

■ 58, 8.772, 194.251 ■ 18, 8.772, 194.251

■ 68, 8.772, 194.251 ■ 8, 8.772, 194.251

■ 78, 8.772, 194.251 ■ 0, 8.772, 194.251

■ 88, 8.772, 194.251

■ 98, 8.772, 194.251

■ 38, 8.772, 194.251 ■ 38, 8.772, 194.251

■ 37, 12.126,
193.657 ■ 39, 5.167, 194.865

37, 15.170,
193.090

39, 1.362, 195.643

36, 17.853,
192.539

40, 2.590, 15.908

41, 6.646, 16.609

36, 20.130,
192.001

42, 10.769, 17.257

36, 21.967,
191.471

43, 14.927, 17.897

44, 19.096, 18.531

36, 23.352,
190.940

46, 23.256, 19.159

35, 24.335,
190.404

47, 27.392, 19.779

35, 24.938,
190.067

Harmonies

Complementary

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



38, 8.772, 194.251



33, 10.007, 17.450

Rectangle

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



38, 8.772, 194.251



38, 8.772, 244.251



38, 8.772, 14.251



38, 8.772, 64.251

Sweetspot

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



38, 8.772, 194.246



51, 3.388, 195.295



37, 16.288, 141.782



25, 2.179, 195.276



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, 8.772, 194.246



49, 12.832, 193.925



35, 7.679, 252.850



18, 2.133, 195.179



41, 27.885, 189.949



85, 49.279, 189.547

Inverse Universe

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



33, 10.007, 17.450



41, 15.137, 18.028



36, 8.289, 67.303



17, 2.236, 16.136



21, 52.686, 35.047



50, 97.208, 38.660

Previews

White Background



This preview shows how the CIELCh color 38, 8.772, 194.251 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, 8.772, 194.251 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

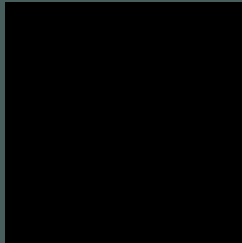
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 8.772, 194.251

Background



This preview shows how black text looks on a background with the CIELCh color 38, 8.772, 194.251.



This preview shows how white text looks on a background with the CIELCh color 38, 8.772, 194.251.

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

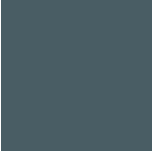
38, 8.772, 194.251

Protanopia

38, 1.055, 343.598

Deuteranopia

38, 5.756, 331.836



Tritanopia
38, 8.696, 228.399

Trichromacy



Original Color
38, 8.772, 194.251

Protanomaly
38, 2.900, 199.123

Deuteranomaly
38, 3.175, 275.644

Tritanomaly
38, 8.119, 216.224

Monochromacy



Original Color
38, 8.772, 194.251

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 3.317, 199.046

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 38, 8.772, 194.251 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(72, 94, 93)` looks like.

```
.text, #text, p{  
    color:rgb(72, 94, 93)  
}
```

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(72, 94, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 94, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 8.772, 194.251 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(72, 94, 93) }
```

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

```
.border{ border-color:rgb(72, 94, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 94, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 94, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 94, 93);  
box-shadow:4px 4px 4px 4px rgb(72, 94, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 8.772, 194.251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 94, 93) }
```

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

```
.background{ background-color: rgb(72, 94,  
93) }
```

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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