

Converting Colors

CIELCh(38, 8.479, 146.667)

Have a look what the booklet for
CIELCh(38, 8.479, 146.667) contains.

CIELCh(38, 8.776, 148.148)	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, 8.776, 148.148)

Conversions

Conversions Part 1

Format	Color
Hex	505D52
RGB	80, 93, 82
RGB Percent	31%, 36%, 32%
CMY	0.6872, 0.6362, 0.6793
CMYK	0.14, 0.00, 0.12, 0.64
HSL	129°, 8%, 34%
HSV	129°, 14%, 36%
XYZ	8.6963, 10.0881, 9.4252
YIQ	87.8590, -4.2170, -6.1770

Conversions

Conversions Part 2

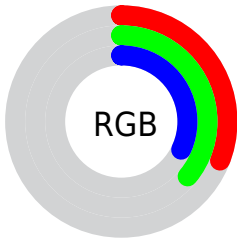
Format	Color
R_{YB}	80, 91, 93
Decimal	5266770
CIE Lab	38.00, -7.45, 4.63
CIE LCh	38, 8.776, 148.148
Yxy	10.0881, 0.3083, 0.3576
Android (android.graphics.Color)	4283456850 (0xFF505D52)
YUV	87.8590, -2.8885, -6.8923
Hunter-Lab	31.7617, -6.7098, 4.6391

Details

The CIELCh color **38, 8.776, 148.148** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **36, 8.799, 329.730**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 8.805, 148.041**, and **18, 9.005, 147.944** is the 20% darker color. If you saturate the color by 10%, you get **37, 15.085, 147.428**, and if you desaturate by 10%, it is **39, 2.494, 148.814**.

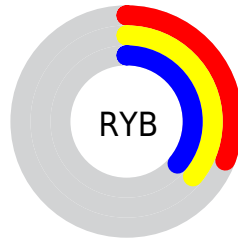
Distribution



Red (31%)

Green (36%)

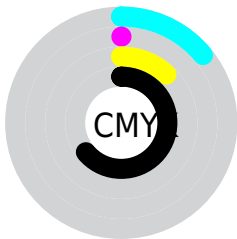
Blue (32%)



Red (31%)

Yellow (36%)

Blue (36%)

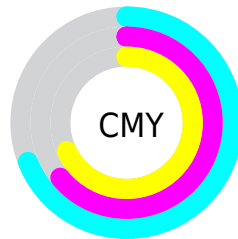


Cyan (14%)

Magenta (0%)

Yellow (12%)

Black (64%)



Cyan (69%)

Magenta (64%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 8.776, 148.148 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, 8.776, 148.148 by changing the saturation by 10% instead.

■ 38, 8.776, 148.148

■ 38, 8.776, 148.148

■ 100, 8.776,
148.148

■ 28, 8.776, 148.148

■ 58, 8.776, 148.148

■ 18, 8.776, 148.148

■ 68, 8.776, 148.148

■ 8, 8.776, 148.148

■ 78, 8.776, 148.148

■ 0, 8.776, 148.148

■ 88, 8.776, 148.148

■ 98, 8.776, 148.148

■ 38, 8.776, 148.148

■ 38, 8.776, 148.148

■ 37, 15.085,
147.428

■ 39, 2.494, 148.814

■ 36, 21.343,
146.605

■ 40, 3.707, 329.236

■ 36, 27.457,
145.663

■ 41, 9.785, 329.732

■ 35, 33.317,
144.592

■ 42, 15.713,
330.148

■ 35, 38.798,
143.391

■ 44, 21.474,
330.511

■ 34, 43.765,
142.076

■ 45, 27.058,
330.832

■ 34, 48.081,
140.685

■ 46, 32.464,
331.116

■ 34, 51.664,
139.344

■ 48, 37.693,
331.370

■ 34, 53.540,
138.763

■ 49, 42.750,
331.597

Harmonies

Complementary

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



38, 8.776, 148.148



36, 8.799, 329.730

Rectangle

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



38, 8.776, 148.148



38, 8.776, 198.148



38, 8.776, 328.148



38, 8.776, 18.148

Sweetspot

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



38, 8.777, 148.148



50, 3.073, 148.805



39, 7.964, 115.097



25, 2.202, 148.765



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, 8.777, 148.148



48, 13.170, 147.905



38, 6.118, 171.433



18, 3.469, 148.490



40, 60.710, 138.416



82, 109.460, 137.468

Inverse Universe

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



36, 8.799, 329.730



45, 13.205, 329.934



35, 6.310, 353.789



17, 3.478, 329.427



24, 55.330, 335.089



54, 96.814, 335.614

Previews

White Background



This preview shows how the CIELCh color 38, 8.776, 148.148 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, 8.776, 148.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

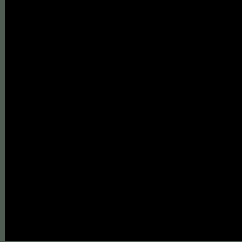
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

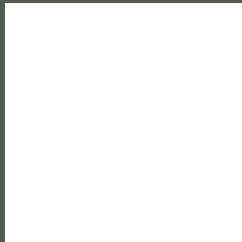
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 8.776, 148.148

Background



This preview shows how black text looks on a background with the CIELCh color 38, 8.776, 148.148.



This preview shows how white text looks on a background with the CIELCh color 38, 8.776, 148.148.

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

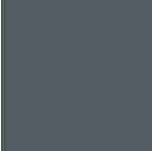
38, 8.776, 148.148

Protanopia

38, 5.784, 91.506

Deuteranopia

38, 6.455, 36.663



Tritanopia
38, 5.801, 257.538

Trichromacy



Original Color
38, 8.776, 148.148

Protanomaly
38, 5.588, 118.251

Deuteranomaly
38, 3.756, 74.152

Tritanomaly
38, 4.126, 207.548

Monochromacy



Original Color
38, 8.776, 148.148

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 3.266, 150.258

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 8.776, 148.148 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, 82)` looks like.

```
.text, #text, p{  
    color:rgb(80, 93, 82)  
}
```

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, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 93, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 8.776, 148.148 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, 82) }
```

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

```
.border{ border-color:rgb(80, 93, 82) }
```

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, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 93, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 93, 82);  
box-shadow:4px 4px 4px 4px rgb(80, 93, 82)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 8.776, 148.148 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, 82) }
```

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

```
.background{ background-color: rgb(80, 93,  
82) }
```

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