

Converting Colors

CIELCh(38, 9.517, 83.343)

Have a look what the booklet for
CIELCh(38, 9.517, 83.343) contains.

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Color

CIELCh(38, 9.517, 83.343)

Conversions

Conversions Part 1

Format	Color
Hex	61584A
RGB	97, 88, 74
RGB Percent	38%, 35%, 29%
CMY	0.6184, 0.6537, 0.7086
CMYK	0.00, 0.09, 0.24, 0.62
HSL	37°, 13%, 34%
HSV	37°, 24%, 38%
XYZ	9.7254, 10.0881, 7.9667
YIQ	89.0950, 9.8580, -2.4460

Conversions

Conversions Part 2

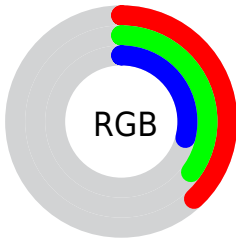
Format	Color
R_{YB}	89, 97, 74
Decimal	6379594
CIE Lab	38.00, 1.10, 9.45
CIE LCh	38, 9.517, 83.343
Yxy	10.0881, 0.3501, 0.3631
Android (android.graphics.Color)	4284569674 (0xFF61584A)
YUV	89.0950, -7.4418, 6.9327
Hunter-Lab	31.7617, -0.9265, 7.3617




Details

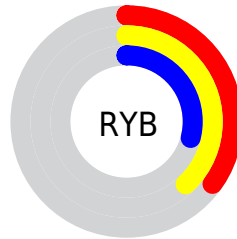
The CIELCh color $[38, 9.517, 83.343]$ is a dark color, and the websafe version is hex `666666`. A complement of this color would be $[35, 9.315, 269.481]$, and the grayscale version is $[38, 0.005, 296.813]$.




A 20% lighter version of the original color is $[58, 9.441, 83.292]$, and $[18, 9.689, 85.432]$ is the 20% darker color. If you saturate the color by 10%, you get $[37, 13.725, 82.098]$, and if you desaturate by 10%, it is $[39, 5.417, 84.564]$.

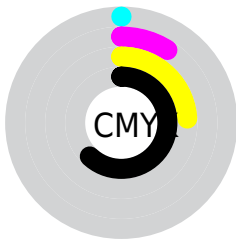
Distribution







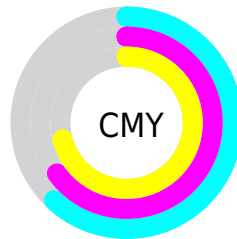
-  Red (38%)
-  Green (35%)
-  Blue (29%)






-  Red (35%)
-  Yellow (38%)
-  Blue (29%)



-  Cyan (0%)
-  Magenta (9%)
-  Yellow (24%)
-  Black (62%)



-  Cyan (62%)
-  Magenta (65%)
-  Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 9.517, 83.343 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, 9.517, 83.343 by changing the saturation by 10% instead.

 38, 9.517, 83.343  38, 9.517, 83.343

 100, 9.517, 83.343  28, 9.517, 83.343

 58, 9.517, 83.343  18, 9.517, 83.343


 68, 9.517, 83.343  8, 9.517, 83.343

 78, 9.517, 83.343  0, 9.517, 83.343

 88, 9.517, 83.343

 98, 9.517, 83.343

 38, 9.517, 83.343  38, 9.517, 83.343

 37, 13.725, 82.098  39, 5.417, 84.564

 35, 18.028, 80.810  41, 1.426, 85.667

■ 34, 22.395, 79.486

■ 42, 2.461, 267.004

■ 33, 26.763, 78.112

■ 44, 6.250, 268.071

■ 32, 31.005, 76.656

■ 45, 9.950, 269.125

■ 30, 34.900, 75.046

■ 47, 13.566,
270.139

■ 29, 38.255, 73.241

■ 48, 17.108,
271.109

■ 29, 40.521, 72.278

■ 49, 20.583,
272.034

■ 51, 23.995,
272.915

Harmonies

Complementary

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



38, 9.517, 83.343



35, 9.315, 269.481

Rectangle

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



38, 9.517, 83.343



38, 9.517, 133.343



38, 9.517, 263.343



38, 9.517, 313.343

Sweetspot

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



38, 9.517, 83.352



52, 3.436, 85.306



34, 11.540, 351.557



26, 2.214, 85.274



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 9.517, 83.352



49, 14.171, 82.703



40, 13.891, 112.311



19, 2.202, 85.120



33, 45.069, 71.795



69, 78.990, 69.605

Inverse Universe

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



35, 9.315, 269.481



44, 13.796, 270.361



33, 14.612, 296.205



19, 2.191, 267.348



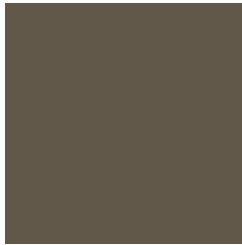
20, 46.185, 291.127



45, 86.188, 293.690

Previews

White Background



This preview shows how the CIELCh color 38, 9.517, 83.343 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, 9.517, 83.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

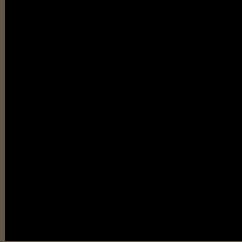
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 9.517, 83.343

Background



This preview shows how black text looks on a background with the CIELCh color 38, 9.517, 83.343.

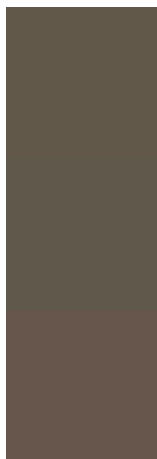


This preview shows how white text looks on a background with the CIELCh color 38, 9.517, 83.343.

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, 9.517, 83.343

Protanopia

38, 8.859, 94.062

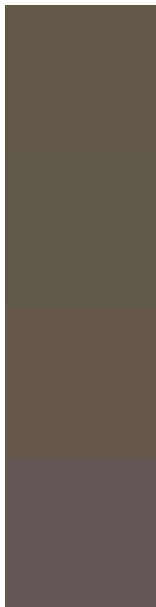
Deuteranopia

38, 10.347, 60.502



Tritanopia
38, 7.021, 348.840

Trichromacy



Original Color
38, 9.517, 83.343

Protanomaly
38, 8.986, 91.261

Deuteranomaly
38, 9.778, 68.305

Tritanomaly
38, 5.264, 26.727

Monochromacy



Original Color
38, 9.517, 83.343

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 3.320, 86.593

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 9.517, 83.343 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(97, 88, 74)` looks like.

```
.text, #text, p{  
    color:rgb(97, 88, 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(97, 88, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 88, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 9.517, 83.343 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(97, 88, 74) }
```

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

```
.border{ border-color:rgb(97, 88, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 88, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 88, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 88, 74);  
box-shadow:4px 4px 4px 4px rgb(97, 88, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 9.517, 83.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 88, 74) }
```

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

```
.background{ background-color: rgb(97, 88,  
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](#).

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