

Converting Colors

CIELCh(38, 16.582, 117.075)

Have a look what the booklet for
CIELCh(38, 16.582, 117.075)
contains.

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Color

CIELCh(38, 16.610, 117.058)

Conversions

Conversions Part 1

Format	Color
Hex	565C41
RGB	86, 92, 65
RGB Percent	34%, 36%, 25%
CMY	0.6615, 0.6380, 0.7439
CMYK	0.07, 0.00, 0.29, 0.64
HSL	73°, 17%, 31%
HSV	73°, 29%, 36%
XYZ	8.6846, 10.0881, 6.5365
YIQ	87.1280, 5.0910, -9.6690

Conversions

Conversions Part 2

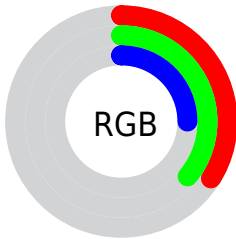
Format	Color
RYB	65, 92, 71
Decimal	5659713
CIELab	38.00, -7.56, 14.79
CIElCh	38, 16.610, 117.058
Yxy	10.0881, 0.3431, 0.3986
Android (android.graphics.Color)	4283849793 (0xFF565C41)
YUV	87.1280, -10.9091, -0.9893
Hunter-Lab	31.7617, -6.7757, 10.0314

Details

The CIELCh color $38, 16.610, 117.058$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $29, 17.613, 300.952$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 16.537, 116.923$, and $18, 16.397, 117.259$ is the 20% darker color. If you saturate the color by 10%, you get $38, 22.139, 116.458$, and if you desaturate by 10%, it is $38, 10.977, 117.678$.

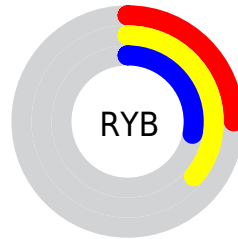
Distribution



Red (34%)

Green (36%)

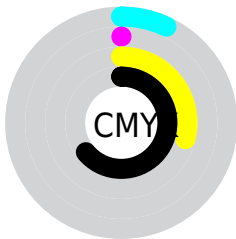
Blue (25%)



Red (25%)

Yellow (36%)

Blue (28%)

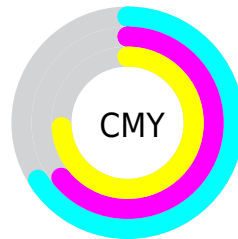


Cyan (7%)

Magenta (0%)

Yellow (29%)

Black (64%)



Cyan (66%)


Magenta (64%)


Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 16.610, 117.058 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, 16.610, 117.058 by changing the saturation by 10% instead.


 38, 16.610,
117.058

 38, 16.610,
117.058

 100, 16.610,
117.058


 28, 16.610,
117.058

 58, 16.610,
117.058


 18, 16.610,
117.058


 68, 16.610,
117.058

 8, 16.610, 117.058

 78, 16.610,
117.058

 0, 16.610, 117.058

 88, 16.610,
117.058

 98, 16.610,
117.058

■ 38, 16.610,
117.058

■ 38, 16.610,
117.058

■ 38, 22.139,
116.458

■ 38, 10.977,
117.678

■ 37, 27.490,
115.893

■ 39, 5.287, 118.293

■ 37, 32.561,
115.404

■ 39, 0.426, 298.863

■ 40, 6.138, 299.464

■ 37, 37.201,
115.039

■ 40, 11.831,
300.014

■ 37, 41.214,
114.864

■ 41, 17.491,
300.535

■ 36, 44.373,
114.958

■ 41, 23.110,
301.024

■ 36, 47.197,
115.112

■ 42, 28.679,
301.482

■ 36, 47.418,

115.116

■ 43, 34.192,
301.910

Harmonies

Complementary

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



38, 16.610, 117.058



29, 17.613, 300.952

Rectangle

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



38, 16.610, 117.058



38, 16.610, 167.058



38, 16.610, 297.058



38, 16.610, 347.058

Sweetspot

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



38, 16.611, 117.061



50, 6.368, 118.292



32, 10.642, 40.908



26, 4.460, 118.229



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, 16.611, 117.061



49, 24.527, 116.646



37, 18.639, 134.967



19, 3.182, 118.319



43, 53.563, 115.356



87, 94.739, 116.096

Inverse Universe

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



29, 17.613, 300.952



36, 26.424, 301.563



31, 18.995, 317.417



17, 3.240, 299.397



11, 70.212, 307.823



32, 124.603, 307.344

Previews

White Background



This preview shows how the CIE LCh color 38, 16.610, 117.058 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, 16.610, 117.058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

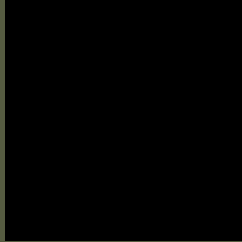
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

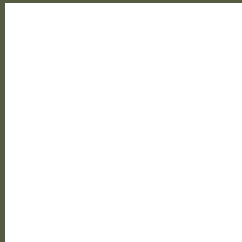
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 16.610, 117.058

Background



This preview shows how black text looks on a background with the CIELCh color 38, 16.610, 117.058.

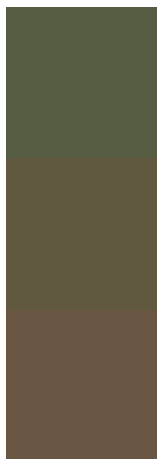


This preview shows how white text looks on a background with the CIELCh color 38, 16.610, 117.058.

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, 16.610, 117.058

Protanopia

38, 15.597, 95.566

Deuteranopia

38, 14.795, 71.183



Tritanopia
38, 4.407, 301.667

Trichromacy



Original Color
38, 16.610, 117.058

Protanomaly
38, 15.839, 104.241

Deuteranomaly
38, 14.266, 88.874

Tritanomaly
38, 3.703, 116.267

Monochromacy



Original Color
38, 16.610, 117.058

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.205, 117.295

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 16.610, 117.058 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(86, 92, 65)` looks like.

```
.text, #text, p{  
    color:rgb(86, 92, 65)  
}
```

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(86, 92, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 92, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 16.610, 117.058 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(86, 92, 65) }
```

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

```
.border{ border-color:rgb(86, 92, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 92, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 92, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 92, 65);  
box-shadow:4px 4px 4px 4px rgb(86, 92, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 16.610, 117.058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 92, 65) }
```

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

```
.background{ background-color: rgb(86, 92,  
65) }
```

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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