

Converting Colors

CIELCh(38, 38.662, 128.041)

Have a look what the booklet for
CIELCh(38, 38.662, 128.041)
contains.

CIELCh(38, 38.463, 127.902)	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, 38.463, 127.902)

Conversions

Conversions Part 1

Format	Color
Hex	416225
RGB	65, 98, 37
RGB Percent	25%, 38%, 15%
CMY	0.7435, 0.6140, 0.8534
CMYK	0.34, 0.00, 0.62, 0.61
HSL	92°, 45%, 27%
HSV	92°, 62%, 39%
XYZ	6.9547, 10.0881, 3.3635
YIQ	81.1790, -0.0870, -25.9670

Conversions

Conversions Part 2

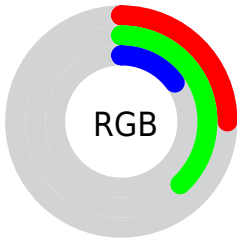
Format	Color
R_{YB}	37, 98, 70
Decimal	4284965
CIE _{Lab}	38.00, -23.63, 30.35
CIE _{LCh}	38, 38.463, 127.902
Yxy	10.0881, 0.3408, 0.4944
Android (android.graphics.Color)	4282475045 (0xFF416225)
YUV	81.1790, -21.7802, -14.1890
Hunter-Lab	31.7617, -16.4976, 15.9545

Details

The CIELCh color **38, 38.463, 127.902** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **22, 41.548, 313.205**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 38.652, 127.894**, and **18, 33.552, 131.529** is the 20% darker color. If you saturate the color by 10%, you get **38, 43.690, 127.709**, and if you desaturate by 10%, it is **38, 32.734, 128.246**.

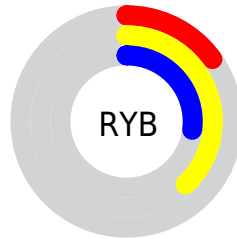
Distribution



Red (25%)

Green (38%)

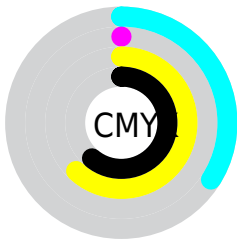
Blue (15%)



Red (15%)

Yellow (38%)

Blue (27%)

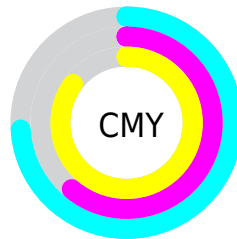


Cyan (34%)

Magenta (0%)

Yellow (62%)

Black (61%)



Cyan (74%)


Magenta (61%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 38.463, 127.902 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, 38.463, 127.902 by changing the saturation by 10% instead.


 38, 38.463,
127.902


 38, 38.463,
127.902

 100, 38.463,
127.902


 28, 38.463,
127.902

 58, 38.463,
127.902


 18, 38.463,
127.902

 68, 38.463,
127.902

 8, 38.463, 127.902

 78, 38.463,
127.902

 0, 38.463, 127.902

 88, 38.463,
127.902

 98, 38.463,
127.902

■ 38, 38.463,
127.902

■ 38, 38.463,
127.902

■ 38, 43.690,
127.709

■ 38, 32.734,
128.246

■ 37, 48.191,
127.756

■ 39, 26.679,
128.666

■ 37, 51.757,
128.133

■ 40, 20.426,
129.117

■ 37, 54.451,
128.349

■ 40, 14.067,
129.569

■ 41, 7.667, 130.008

■ 42, 1.272, 130.466

■ 42, 5.082, 310.764

■ 43, 11.372,
311.115

■ 44, 17.580,
311.426

Harmonies

Complementary

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



38, 38.463, 127.902



22, 41.548, 313.205

Rectangle

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



38, 38.463, 127.902



38, 38.463, 177.902



38, 38.463, 307.902



38, 38.463, 357.902

Sweetspot

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



38, 38.464, 127.903



52, 15.027, 129.678



32, 25.536, 71.340



26, 10.253, 129.590



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, 38.464, 127.903



48, 54.891, 127.693



37, 42.883, 140.281



20, 3.533, 130.143



42, 59.878, 128.603



85, 105.742, 129.593

Inverse Universe

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



22, 41.548, 313.205



25, 60.310, 313.593



26, 42.407, 328.385



18, 3.573, 310.824



16, 67.229, 313.371



40, 118.223, 312.681

Previews

White Background



This preview shows how the CIELCh color 38, 38.463, 127.902 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 38, 38.463, 127.902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

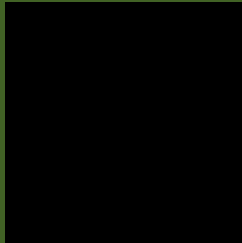
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 38.463, 127.902

Background



This preview shows how black text looks on a background with the CIELCh color 38, 38.463, 127.902.



This preview shows how white text looks on a background with the CIELCh color 38, 38.463, 127.902.

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

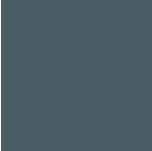
38, 38.463, 127.902

Protanopia

38, 32.156, 96.020

Deuteranopia

38, 29.598, 80.666



Tritanopia
38, 8.384, 234.848

Trichromacy



Original Color
38, 38.463, 127.902

Protanomaly
37, 32.746, 109.200

Deuteranomaly
38, 29.652, 101.530

Tritanomaly
38, 14.367, 151.062

Monochromacy



Original Color
38, 38.463, 127.902

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 14.585, 129.611

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 38.463, 127.902 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(65, 98, 37)` looks like.

```
.text, #text, p{  
    color:rgb(65, 98, 37)  
}
```

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(65, 98, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 98, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 38.463, 127.902 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(65, 98, 37) }
```

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

```
.border{ border-color:rgb(65, 98, 37) }
```

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

Here you see how a box with a 4 pixel rgb(65, 98, 37) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 98, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 98, 37);  
box-shadow:4px 4px 4px 4px rgb(65, 98, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 38.463, 127.902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 98, 37) }
```

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

```
.background{ background-color: rgb(65, 98,  
37) }
```

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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