

Converting Colors

CIELCh(38, 20.343, 119.979)

Have a look what the booklet for
CIELCh(38, 20.343, 119.979)
contains.

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Color

CIELCh(38, 19.875, 120.455)

Conversions

Conversions Part 1

Format	Color
Hex	535D3D
RGB	83, 93, 61
RGB Percent	33%, 36%, 24%
CMY	0.6731, 0.6339, 0.7594
CMYK	0.11, 0.00, 0.34, 0.63
HSL	79°, 21%, 30%
HSV	79°, 34%, 37%
XYZ	8.3965, 10.0881, 5.9677
YIQ	86.3620, 4.3120, -12.0720

Conversions

Conversions Part 2

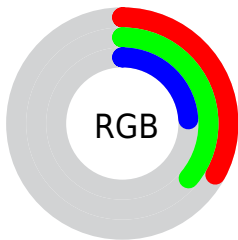
Format	Color
RYB	61, 93, 71
Decimal	5463357
CIELab	38.00, -10.07, 17.13
CIELCh	38, 19.875, 120.455
Yxy	10.0881, 0.3434, 0.4126
Android (android.graphics.Color)	4283653437 (0xFF535D3D)
YUV	86.3620, -12.5035, -2.9485
Hunter-Lab	31.7617, -8.3947, 11.0932

Details

The CIELCh color **38, 19.875, 120.455** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **28, 21.174, 304.402**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 19.583, 120.233**, and **18, 19.886, 120.814** is the 20% darker color. If you saturate the color by 10%, you get **38, 25.475, 119.948**, and if you desaturate by 10%, it is **38, 14.144, 120.991**.

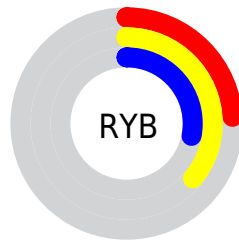
Distribution



Red (33%)

Green (36%)

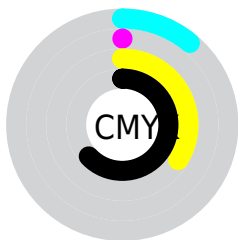
Blue (24%)



Red (24%)

Yellow (36%)

Blue (28%)

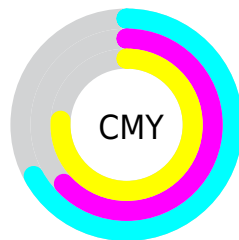


Cyan (11%)

Magenta (0%)

Yellow (34%)

Black (63%)



Cyan (67%)


Magenta (63%)


Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.875, 120.455 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, 19.875, 120.455 by changing the saturation by 10% instead.


 38, 19.875,
120.455


 38, 19.875,
120.455

 100, 19.875,
120.455


 28, 19.875,
120.455

 58, 19.875,
120.455


 18, 19.875,
120.455


 68, 19.875,
120.455

 8, 19.875, 120.455

 78, 19.875,
120.455

 0, 19.875, 120.455

 88, 19.875,
120.455

 98, 19.875,
120.455

■ 38, 19.875,
120.455

■ 38, 19.875,
120.455

■ 38, 25.475,
119.948

■ 38, 14.144,
120.991

■ 37, 30.854,
119.494

■ 39, 8.339, 121.528

■ 39, 2.504, 122.060

■ 37, 35.887,
119.144

■ 40, 3.332, 302.542

■ 37, 40.399,
118.964

■ 41, 9.147, 303.025

■ 36, 44.175,
119.038

■ 41, 14.924,
303.476

■ 36, 47.166,
119.376

■ 42, 20.653,
303.895

■ 36, 48.912,
119.501

■ 42, 26.324,
304.285

■ 43, 31.930,

Harmonies

Complementary

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



38, 19.875, 120.455



28, 21.174, 304.402

Rectangle

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



38, 19.875, 120.455



38, 19.875, 170.455



38, 19.875, 300.455



38, 19.875, 350.455

Sweetspot

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



38, 19.876, 120.457



51, 7.290, 121.740



32, 12.403, 49.691



25, 4.927, 121.692



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, 19.876, 120.457



49, 29.521, 120.046



37, 22.602, 137.115



19, 3.222, 121.820



42, 54.858, 119.782



86, 97.270, 120.708

Inverse Universe

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



28, 21.174, 304.402



34, 32.005, 305.016



30, 22.927, 320.216



17, 3.276, 302.732



12, 69.187, 308.946



33, 122.885, 308.346

Previews

White Background



This preview shows how the CIELCh color 38, 19.875, 120.455 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, 19.875, 120.455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

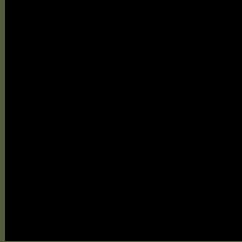
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

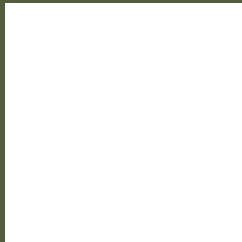
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 19.875, 120.455

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.875, 120.455.



This preview shows how white text looks on a background with the CIELCh color 38, 19.875, 120.455.

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, 19.875, 120.455

Protanopia

38, 18.054, 95.172

Deuteranopia

38, 17.147, 74.169



Tritanopia
38, 4.322, 285.439

Trichromacy



Original Color
38, 19.875, 120.455

Protanomaly
38, 18.762, 105.708

Deuteranomaly
38, 17.001, 93.030

Tritanomaly
38, 5.371, 132.989

Monochromacy



Original Color
38, 19.875, 120.455

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.888, 120.097

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.875, 120.455 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(83, 93, 61)` looks like.

```
.text, #text, p{  
    color:rgb(83, 93, 61)  
}
```

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(83, 93, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 93, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.875, 120.455 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(83, 93, 61) }
```

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

```
.border{ border-color:rgb(83, 93, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 93, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 93, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 93, 61);  
box-shadow:4px 4px 4px 4px rgb(83, 93, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.875, 120.455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 93, 61) }
```

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

```
.background{ background-color: rgb(83, 93,  
61) }
```

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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