

Converting Colors

CIELCh(38, 20.856, 118.013)

Have a look what the booklet for
CIELCh(38, 20.856, 118.013)
contains.

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Color

CIELCh(38, 20.822, 117.167)

Conversions

Conversions Part 1

Format	Color
Hex	555D3B
RGB	85, 93, 59
RGB Percent	33%, 36%, 23%
CMY	0.6665, 0.6351, 0.7684
CMYK	0.09, 0.00, 0.37, 0.64
HSL	74°, 22%, 30%
HSV	74°, 37%, 36%
XYZ	8.4608, 10.0881, 5.6456
YIQ	86.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

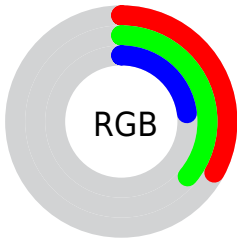
Format	Color
RYB	59, 93, 67
Decimal	5594427
CIELab	38.00, -9.51, 18.52
CIElCh	38, 20.822, 117.167
Yxy	10.0881, 0.3497, 0.4170
Android (android.graphics.Color)	4283784507 (0xFF555D3B)
YUV	86.7320, -13.6719, -1.5190
Hunter-Lab	31.7617, -8.0334, 11.6944

Details

The CIELCh color **38, 20.822, 117.167** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **27, 22.437, 302.038**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.503, 117.238**, and **18, 20.728, 117.071** is the 20% darker color. If you saturate the color by 10%, you get **38, 26.279, 116.604**, and if you desaturate by 10%, it is **38, 15.212, 117.766**.

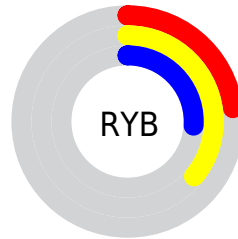
Distribution



 Red (33%)

 Green (36%)

 Blue (23%)



 Red (23%)

 Yellow (36%)

 Blue (26%)

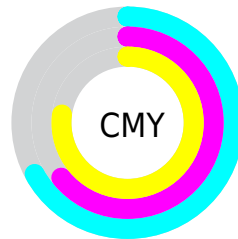


 Cyan (9%)

 Magenta (0%)

 Yellow (37%)

 Black (64%)



 Cyan (67%)


 Magenta (64%)


 Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.822, 117.167 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, 20.822, 117.167 by changing the saturation by 10% instead.


 38, 20.822,
117.167


 38, 20.822,
117.167

 100, 20.822,
117.167


 28, 20.822,
117.167

 58, 20.822,
117.167


 18, 20.822,
117.167


 68, 20.822,
117.167

 8, 20.822, 117.167

 78, 20.822,
117.167

 0, 20.822, 117.167

 88, 20.822,
117.167

 98, 20.822,
117.167

■ 38, 20.822,
117.167

■ 38, 20.822,
117.167

■ 38, 26.279,
116.604

■ 38, 15.212,
117.766

■ 37, 31.484,
116.103

■ 39, 9.511, 118.371

■ 39, 3.764, 118.971

■ 37, 36.303,
115.714

■ 40, 1.997, 299.540

■ 37, 40.548,
115.499

■ 40, 7.750, 300.102

■ 37, 43.996,
115.536

■ 41, 13.479,
300.631

■ 36, 46.803,
115.756

■ 41, 19.171,
301.130

■ 36, 47.828,
115.793

■ 42, 24.817,
301.597

■ 42, 30.409,

Harmonies

Complementary

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



38, 20.822, 117.167



27, 22.437, 302.038

Rectangle

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



38, 20.822, 117.167



38, 20.822, 167.167



38, 20.822, 297.167



38, 20.822, 347.167

Sweetspot

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



38, 20.823, 117.169



50, 7.795, 118.685



31, 13.639, 42.613



25, 5.278, 118.635



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, 20.823, 117.169



48, 30.639, 116.670



37, 23.509, 135.082



19, 3.187, 118.836



43, 53.733, 116.031



87, 95.072, 116.803

Inverse Universe

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



27, 22.437, 302.038



32, 33.750, 302.867



29, 24.025, 318.233



17, 3.245, 299.887



12, 70.075, 307.965



32, 124.381, 307.466

Previews

White Background



This preview shows how the CIELCh color 38, 20.822, 117.167 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, 20.822, 117.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

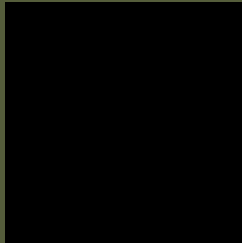
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

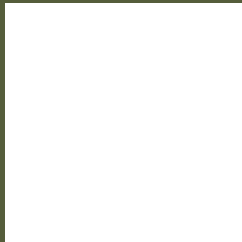
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 20.822, 117.167

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.822, 117.167.

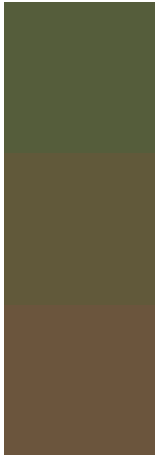


This preview shows how white text looks on a background with the CIELCh color 38, 20.822, 117.167.

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, 20.822, 117.167

Protanopia

38, 19.223, 95.659

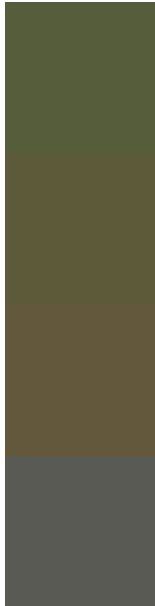
Deuteranopia

38, 18.287, 72.554



Tritanopia
38, 4.335, 296.309

Trichromacy



Original Color
38, 20.822, 117.167

Protanomaly
38, 19.432, 102.827

Deuteranomaly
38, 17.890, 90.371

Tritanomaly
38, 4.383, 120.853

Monochromacy



Original Color
38, 20.822, 117.167

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 7.489, 119.140

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.822, 117.167 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(85, 93, 59)` looks like.

```
.text, #text, p{  
    color:rgb(85, 93, 59)  
}
```

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(85, 93, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 93, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.822, 117.167 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(85, 93, 59) }
```

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

```
.border{ border-color:rgb(85, 93, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 93, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 93, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 93, 59);  
box-shadow:4px 4px 4px 4px rgb(85, 93, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.822, 117.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 93, 59) }
```

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

```
.background{ background-color: rgb(85, 93,  
59) }
```

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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