

Converting Colors

CIELCh(38, 21.520, 132.886)

Have a look what the booklet for
CIELCh(38, 21.520, 132.886)
contains.

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Color

CIELCh(38, 21.558, 132.871)

Conversions

Conversions Part 1

Format	Color
Hex	4A5F3F
RGB	74, 95, 63
RGB Percent	29%, 37%, 25%
CMY	0.7083, 0.6259, 0.7515
CMYK	0.22, 0.00, 0.34, 0.63
HSL	99°, 20%, 31%
HSV	99°, 34%, 37%
XYZ	7.8876, 10.0881, 6.2874
YIQ	85.0730, -2.2440, -14.4040

Conversions

Conversions Part 2

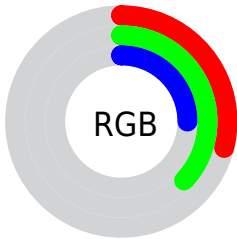
Format	Color
RYB	63, 95, 84
Decimal	4874047
CIELab	38.00, -14.67, 15.80
CIElCh	38, 21.558, 132.871
Yxy	10.0881, 0.3251, 0.4158
Android (android.graphics.Color)	4283064127 (0xFF4A5F3F)
YUV	85.0730, -10.8820, -9.7110
Hunter-Lab	31.7617, -11.2548, 10.4963

Details

The CIELCh color $38, 21.558, 132.871$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 22.163, 315.672$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 21.868, 133.310$, and $18, 21.735, 132.941$ is the 20% darker color. If you saturate the color by 10%, you get $37, 27.850, 132.382$, and if you desaturate by 10%, it is $39, 15.155, 133.348$.

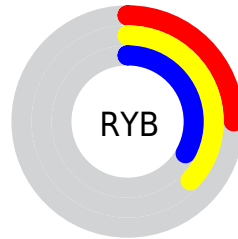
Distribution



Red (29%)

Green (37%)

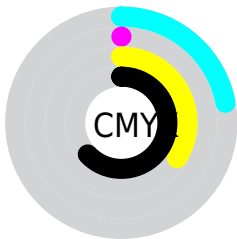
Blue (25%)



Red (25%)

Yellow (37%)

Blue (33%)

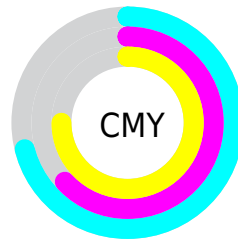


Cyan (22%)

Magenta (0%)

Yellow (34%)

Black (63%)



Cyan (71%)


Magenta (63%)


Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 21.558, 132.871 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, 21.558, 132.871 by changing the saturation by 10% instead.


 38, 21.558,
132.871


 38, 21.558,
132.871

 100, 21.558,
132.871


 28, 21.558,
132.871

 58, 21.558,
132.871


 18, 21.558,
132.871


 68, 21.558,
132.871

 8, 21.558, 132.871

 78, 21.558,
132.871

 0, 21.558, 132.871

 88, 21.558,
132.871

 98, 21.558,
132.871

■ 38, 21.558,
132.871

■ 38, 21.558,
132.871

■ 37, 27.850,
132.382

■ 39, 15.155,
133.348

■ 37, 33.927,
131.907

■ 39, 8.711, 133.797

■ 40, 2.281, 134.236

■ 36, 39.651,
131.493

■ 41, 4.096, 314.536

■ 36, 44.838,
131.212

■ 42, 10.392,
314.878

■ 36, 49.259,
131.159

■ 43, 16.587,
315.171

■ 35, 52.784,
131.368

■ 44, 22.668,
315.427

■ 35, 54.998,
131.352

■ 45, 28.626,
315.651

■ 46, 34.456,
315.846

Harmonies

Complementary

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



38, 21.558, 132.871



30, 22.163, 315.672

Rectangle

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



38, 21.558, 132.871



38, 21.558, 182.871



38, 21.558, 312.871



38, 21.558, 2.871

Sweetspot

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



38, 21.559, 132.872



51, 8.005, 133.938



36, 13.907, 85.718



26, 5.506, 133.896



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, 21.559, 132.872



49, 31.971, 132.496



37, 21.623, 146.510



20, 3.640, 133.999



41, 61.863, 131.639



84, 109.248, 132.507

Inverse Universe

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



30, 22.163, 315.672



37, 33.079, 315.983



31, 21.670, 330.746



18, 3.671, 314.653



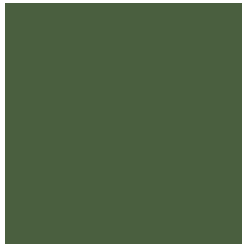
18, 65.724, 316.468



43, 115.361, 315.848

Previews

White Background



This preview shows how the CIE LCh color 38, 21.558, 132.871 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, 21.558, 132.871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

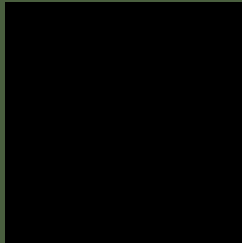
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

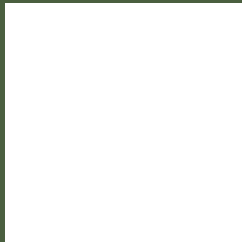
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 21.558, 132.871

Background



This preview shows how black text looks on a background with the CIELCh color 38, 21.558, 132.871.



This preview shows how white text looks on a background with the CIELCh color 38, 21.558, 132.871.

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, 21.558, 132.871

Protanopia

38, 17.469, 94.893

Deuteranopia

38, 15.603, 70.994



Tritanopia
38, 6.049, 244.593

Trichromacy



Original Color
38, 21.558, 132.871

Protanomaly
38, 17.602, 110.358

Deuteranomaly
38, 14.908, 96.978

Tritanomaly
38, 8.035, 160.675

Monochromacy



Original Color
38, 21.558, 132.871

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 8.195, 134.146

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 21.558, 132.871 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(74, 95, 63)` looks like.

```
.text, #text, p{  
    color:rgb(74, 95, 63)  
}
```

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(74, 95, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 95, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 21.558, 132.871 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(74, 95, 63) }
```

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

```
.border{ border-color:rgb(74, 95, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 95, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 95, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 95, 63);  
box-shadow:4px 4px 4px 4px rgb(74, 95, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 21.558, 132.871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 95, 63) }
```

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

```
.background{ background-color: rgb(74, 95,  
63) }
```

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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