

Converting Colors

CIELCh(38, 15.458, 138.401)

Have a look what the booklet for
CIELCh(38, 15.458, 138.401)
contains.

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Color

CIELCh(38, 15.083, 139.394)

Conversions

Conversions Part 1

Format	Color
Hex	4C5E49
RGB	76, 94, 73
RGB Percent	30%, 37%, 29%
CMY	0.7009, 0.6303, 0.7127
CMYK	0.19, 0.00, 0.22, 0.63
HSL	111°, 13%, 33%
HSV	111°, 22%, 37%
XYZ	8.2417, 10.0881, 7.8631
YIQ	86.2240, -3.9870, -10.3470

Conversions

Conversions Part 2

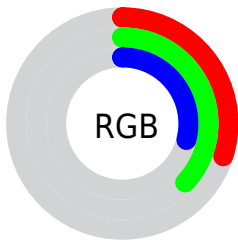
Format	Color
R_YB	73, 94, 91
Decimal	5004873
CIE Lab	38.00, -11.45, 9.82
CIE LCh	38, 15.083, 139.394
Yxy	10.0881, 0.3147, 0.3851
Android (android.graphics.Color)	4283194953 (0xFF4C5E49)
YUV	86.2240, -6.5194, -8.9664
Hunter-Lab	31.7617, -9.2648, 7.5550

Details

The CIELCh color **38, 15.083, 139.394** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 15.187, 321.444**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 14.648, 139.927**, and **18, 15.416, 139.573** is the 20% darker color. If you saturate the color by 10%, you get **37, 21.849, 138.789**, and if you desaturate by 10%, it is **39, 8.288, 139.937**.

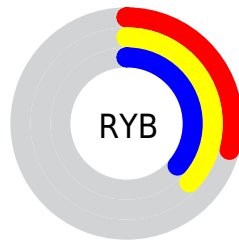
Distribution



Red (30%)

Green (37%)

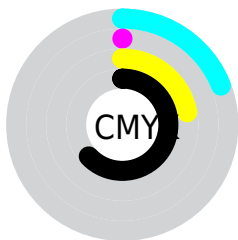
Blue (29%)



Red (29%)

Yellow (37%)

Blue (36%)

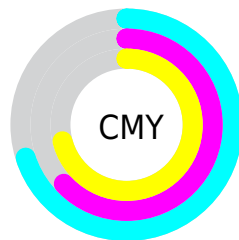


Cyan (19%)

Magenta (0%)

Yellow (22%)

Black (63%)



Cyan (70%)


Magenta (63%)


Yellow (71%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 15.083, 139.394 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, 15.083, 139.394 by changing the saturation by 10% instead.


 38, 15.083,
139.394


 38, 15.083,
139.394

 100, 15.083,
139.394


 28, 15.083,
139.394

 58, 15.083,
139.394


 18, 15.083,
139.394


 68, 15.083,
139.394

 8, 15.083, 139.394

 78, 15.083,
139.394

 0, 15.083, 139.394

 88, 15.083,
139.394

 98, 15.083,
139.394

■ 38, 15.083,
139.394

■ 38, 15.083,
139.394

■ 37, 21.849,
138.789

■ 39, 8.288, 139.937

■ 37, 28.492,
138.121

■ 40, 1.530, 140.475

■ 41, 5.140, 320.773

■ 36, 34.889,
137.408

■ 42, 11.686,
321.139

■ 35, 40.884,
136.684

■ 43, 18.085,
321.446

■ 35, 46.276,
136.010

■ 44, 24.324,
321.707

■ 35, 50.825,
135.477

■ 45, 30.393,
321.932

■ 34, 54.336,
135.154

■ 47, 36.292,
322.124

■ 34, 56.818,

134.685

■ 48, 42.022,
322.288

Harmonies

Complementary

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



38, 15.083, 139.394



34, 15.187, 321.444

Rectangle

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



38, 15.083, 139.394



38, 15.083, 189.394



38, 15.083, 319.394



38, 15.083, 9.394

Sweetspot

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



38, 15.084, 139.395



51, 5.835, 140.194



39, 10.972, 100.963



25, 3.757, 140.181



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, 15.084, 139.395



48, 22.662, 139.067



38, 12.265, 154.764



18, 3.689, 140.115



40, 63.319, 134.852



82, 112.344, 135.346

Inverse Universe

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



34, 15.187, 321.444



42, 22.846, 321.683



34, 12.407, 337.908



17, 3.704, 320.845



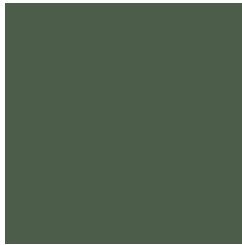
22, 62.720, 322.998



51, 110.665, 322.672

Previews

White Background



This preview shows how the CIELCh color 38, 15.083, 139.394 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, 15.083, 139.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

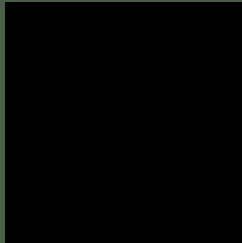
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

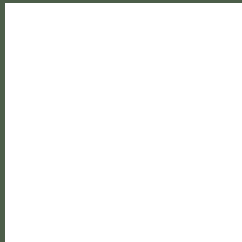
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 15.083, 139.394

Background



This preview shows how black text looks on a background with the CIELCh color 38, 15.083, 139.394.



This preview shows how white text looks on a background with the CIELCh color 38, 15.083, 139.394.

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, 15.083, 139.394

Protanopia

38, 11.345, 94.395

Deuteranopia

38, 10.347, 60.502



Tritanopia
38, 6.049, 244.593

Trichromacy



Original Color
38, 15.083, 139.394

Protanomaly
38, 11.668, 114.948

Deuteranomaly
38, 9.354, 97.561

Tritanomaly
38, 5.708, 179.787

Monochromacy



Original Color
38, 15.083, 139.394

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 5.791, 140.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 15.083, 139.394 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(76, 94, 73)` looks like.

```
.text, #text, p{  
    color:rgb(76, 94, 73)  
}
```

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(76, 94, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 94, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 15.083, 139.394 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(76, 94, 73) }
```

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

```
.border{ border-color:rgb(76, 94, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 94, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 94, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 94, 73);  
box-shadow:4px 4px 4px 4px rgb(76, 94, 73)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 15.083, 139.394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 94, 73) }
```

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

```
.background{ background-color: rgb(76, 94,  
73) }
```

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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