

Converting Colors

CIELCh(38, 33.049, 150.777)

Have a look what the booklet for
CIELCh(38, 33.049, 150.777)
contains.

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Color

CIELCh(38, 33.318, 150.420)

Conversions

Conversions Part 1

Format	Color
Hex	2A653E
RGB	42, 101, 62
RGB Percent	16%, 40%, 24%
CMY	0.8364, 0.6049, 0.7578
CMYK	0.59, 0.00, 0.39, 0.60
HSL	140°, 41%, 28%
HSV	140°, 59%, 40%
XYZ	6.4348, 10.0881, 6.1308
YIQ	78.9130, -22.6450, -24.6370

Conversions

Conversions Part 2

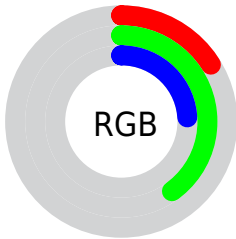
Format	Color
RYB	42, 86, 101
Decimal	2778430
CIELab	38.00, -28.98, 16.45
CIELCh	38, 33.318, 150.420
Yxy	10.0881, 0.2841, 0.4453
Android (android.graphics.Color)	4280968510 (0xFF2A653E)
YUV	78.9130, -8.3381, -32.3727
Hunter-Lab	31.7617, -19.4197, 10.7888




Details

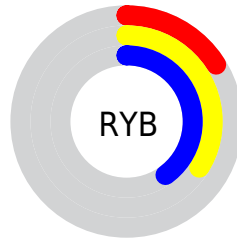
The CIELCh color **38, 33.318, 150.420** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **27, 33.672, 340.608**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 33.572, 150.349**, and **18, 30.663, 146.960** is the 20% darker color. If you saturate the color by 10%, you get **38, 38.223, 148.997**, and if you desaturate by 10%, it is **39, 28.039, 151.677**.

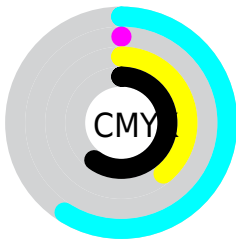
Distribution







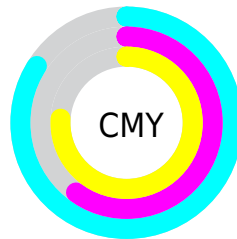
-  Red (16%)
-  Green (40%)
-  Blue (24%)






-  Red (16%)
-  Yellow (34%)
-  Blue (40%)



-  Cyan (59%)
-  Magenta (0%)
-  Yellow (39%)
-  Black (60%)





-  Cyan (84%)
-  Magenta (60%)
-  Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.318, 150.420 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, 33.318, 150.420 by changing the saturation by 10% instead.


 38, 33.318,
150.420


 38, 33.318,
150.420

 100, 33.318,
150.420


 28, 33.318,
150.420

 58, 33.318,
150.420


 18, 33.318,
150.420


 68, 33.318,
150.420

 8, 33.318, 150.420

 78, 33.318,
150.420

 0, 33.318, 150.420

 88, 33.318,
150.420

 98, 33.318,
150.420

■ 38, 33.318,
150.420

■ 38, 33.318,
150.420

■ 38, 38.223,
148.997

■ 39, 28.039,
151.677

■ 37, 42.667,
147.404

■ 39, 22.478,
152.783

■ 37, 46.587,
145.649

■ 40, 16.731,
153.755

■ 37, 50.100,
143.945

■ 41, 10.883,
154.614

■ 37, 50.585,
143.733

■ 42, 5.009, 155.390

■ 43, 0.830, 335.759

■ 44, 6.589, 336.582

■ 45, 12.233,
337.134

■ 46, 17.739,
337.626

Harmonies

Complementary

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



38, 33.318, 150.420



27, 33.672, 340.608

Rectangle

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



38, 33.318, 150.420



38, 33.318, 200.420



38, 33.318, 330.420



38, 33.318, 20.420

Sweetspot

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



38, 33.319, 150.420



52, 13.006, 154.620



40, 35.322, 120.178



27, 9.110, 154.441



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



38, 33.319, 150.420



48, 47.732, 148.474



39, 21.822, 180.573



21, 3.312, 155.363



42, 55.904, 143.382



84, 99.935, 142.041

Inverse Universe

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



27, 33.672, 340.608



32, 47.403, 342.130



26, 28.485, 13.904



20, 3.332, 336.477



24, 50.403, 346.804



53, 86.414, 348.355

Previews

White Background



This preview shows how the CIELCh color 38, 33.318, 150.420 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 CIE LCh color 38, 33.318, 150.420 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, 33.318, 150.420

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.318, 150.420.



This preview shows how white text looks on a background with the CIELCh color 38, 33.318, 150.420.

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, 33.318, 150.420

Protanopia

38, 19.806, 95.872

Deuteranopia

38, 15.640, 70.957



Tritanopia
38, 15.212, 214.276

Trichromacy



Original Color
38, 33.318, 150.420

Protanomaly
37, 21.829, 126.424

Deuteranomaly
37, 16.940, 121.536

Tritanomaly
38, 19.071, 178.091

Monochromacy



Original Color
38, 33.318, 150.420

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 12.883, 155.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.318, 150.420 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(42, 101, 62)` looks like.

```
.text, #text, p{  
    color:rgb(42, 101, 62)  
}
```

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(42, 101, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 101, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.318, 150.420 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(42, 101, 62) }
```

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

```
.border{ border-color:rgb(42, 101, 62) }
```

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

Here you see how a box with a 4 pixel rgb(42, 101, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 101, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 101, 62);  
box-shadow:4px 4px 4px 4px rgb(42, 101,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.318, 150.420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 101, 62) }
```

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

```
.background{ background-color: rgb(42, 101,  
62) }
```

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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