

Converting Colors

CIELCh(38, 29.215, 128.556)

Have a look what the booklet for
CIELCh(38, 29.215, 128.556)
contains.

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Color

CIELCh(38, 29.658, 128.526)

Conversions

Conversions Part 1

Format	Color
Hex	486133
RGB	72, 97, 51
RGB Percent	28%, 38%, 20%
CMY	0.7190, 0.6209, 0.8012
CMYK	0.26, 0.00, 0.48, 0.62
HSL	93°, 31%, 29%
HSV	93°, 48%, 38%
XYZ	7.4818, 10.0881, 4.6486
YIQ	84.2810, -0.1340, -19.6060

Conversions

Conversions Part 2

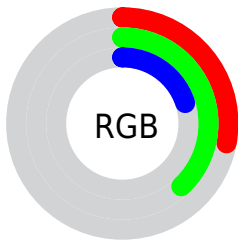
Format	Color
RYB	51, 97, 76
Decimal	4743475
CIELab	38.00, -18.47, 23.20
CIELCh	38, 29.658, 128.526
Yxy	10.0881, 0.3367, 0.4540
Android (android.graphics.Color)	4282933555 (0xFF486133)
YUV	84.2810, -16.4075, -10.7704
Hunter-Lab	31.7617, -13.5353, 13.5555

Details

The CIELCh color **38, 29.658, 128.526** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **26, 31.413, 312.682**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 29.937, 128.241**, and **18, 29.639, 128.490** is the 20% darker color. If you saturate the color by 10%, you get **38, 35.474, 128.142**, and if you desaturate by 10%, it is **39, 23.586, 128.966**.

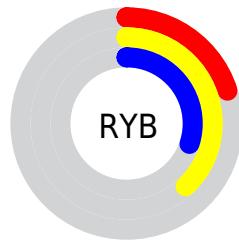
Distribution



Red (28%)

Green (38%)

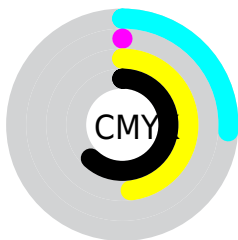
Blue (20%)



Red (20%)

Yellow (38%)

Blue (30%)

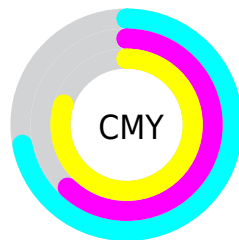


Cyan (26%)

Magenta (0%)

Yellow (48%)

Black (62%)



Cyan (72%)

Magenta (62%)

Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 29.658, 128.526 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, 29.658, 128.526 by changing the saturation by 10% instead.

 38, 29.658,
128.526


 38, 29.658,
128.526

 100, 29.658,
128.526


 28, 29.658,
128.526

 58, 29.658,
128.526


 18, 29.658,
128.526


 68, 29.658,
128.526

 8, 29.658, 128.526

 78, 29.658,
128.526

 0, 29.658, 128.526

 88, 29.658,
128.526

 98, 29.658,
128.526

■ 38, 29.658,
128.526

■ 38, 29.658,
128.526

■ 38, 35.474,
128.142

■ 39, 23.586,
128.966

■ 37, 40.880,
127.868

■ 39, 17.364,
129.419

■ 37, 45.678,
127.790

■ 40, 11.068,
129.866

■ 36, 49.632,
128.009

■ 40, 4.756, 130.296

■ 36, 52.955,
128.366

■ 41, 1.535, 310.621

■ 36, 53.795,
128.397

■ 42, 7.774, 311.020

■ 43, 13.940,
311.350

■ 44, 20.020,
311.645

■ 45, 26.001,
311.909

Harmonies

Complementary

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



38, 29.658, 128.526



26, 31.413, 312.682

Rectangle

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



38, 29.658, 128.526



38, 29.658, 178.526



38, 29.658, 308.526



38, 29.658, 358.526

Sweetspot

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



38, 29.659, 128.527



51, 10.893, 130.003



34, 18.845, 73.202



26, 7.581, 129.936



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, 29.659, 128.527



48, 43.312, 128.104



37, 33.249, 141.827



20, 3.535, 130.240



42, 59.929, 128.688



85, 105.835, 129.677

Inverse Universe

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



26, 31.413, 312.682



30, 46.546, 313.158



29, 33.132, 327.749



18, 3.575, 310.920



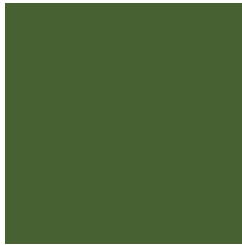
16, 67.190, 313.440



40, 118.150, 312.751

Previews

White Background



This preview shows how the CIELCh color 38, 29.658, 128.526 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, 29.658, 128.526 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, 29.658, 128.526

Background



This preview shows how black text looks on a background with the CIELCh color 38, 29.658, 128.526.



This preview shows how white text looks on a background with the CIELCh color 38, 29.658, 128.526.

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, 29.658, 128.526

Protanopia

38, 25.062, 96.031

Deuteranopia

38, 22.773, 77.308



Tritanopia
38, 6.727, 246.242

Trichromacy



Original Color
38, 29.658, 128.526

Protanomaly
38, 25.732, 110.304

Deuteranomaly
38, 22.538, 99.126

Tritanomaly
38, 10.370, 152.821

Monochromacy



Original Color
38, 29.658, 128.526

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 11.204, 129.312

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 29.658, 128.526 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(72, 97, 51)` looks like.

```
.text, #text, p{  
    color:rgb(72, 97, 51)  
}
```

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(72, 97, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 97, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 29.658, 128.526 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(72, 97, 51) }
```

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

```
.border{ border-color:rgb(72, 97, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 97, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 97, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 97, 51);  
box-shadow:4px 4px 4px 4px rgb(72, 97, 51)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 29.658, 128.526 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 97, 51) }
```

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

```
.background{ background-color: rgb(72, 97,  
51) }
```

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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