

Converting Colors

CIELCh(38, 29.148, 112.172)

Have a look what the booklet for
CIELCh(38, 29.148, 112.172)
contains.

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Color

CIELCh(38, 29.148, 112.172)

Conversions

Conversions Part 1

Format	Color
Hex	565D2C
RGB	86, 93, 44
RGB Percent	34%, 36%, 17%
CMY	0.6610, 0.6336, 0.8259
CMYK	0.07, 0.00, 0.52, 0.63
HSL	69°, 36%, 27%
HSV	69°, 52%, 37%
XYZ	8.2922, 10.0881, 3.9327
YIQ	85.3210, 11.5570, -16.7230

Conversions

Conversions Part 2

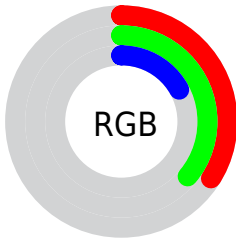
Format	Color
RYB	44, 93, 51
Decimal	5659948
CIELab	38.00, -11.00, 26.99
CIElCh	38, 29.148, 112.172
Yxy	10.0881, 0.3716, 0.4521
Android (android.graphics.Color)	4283850028 (0xFF565D2C)
YUV	85.3210, -20.3713, 0.5955
Hunter-Lab	31.7617, -8.9810, 14.8920

Details

The CIELCh color **38, 29.148, 112.172** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **21, 33.080, 300.976**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 29.067, 111.913**, and **18, 27.387, 112.303** is the 20% darker color. If you saturate the color by 10%, you get **38, 34.072, 111.620**, and if you desaturate by 10%, it is **38, 23.890, 112.811**.

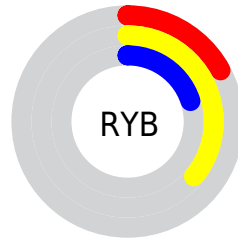
Distribution



 Red (34%)

 Green (36%)

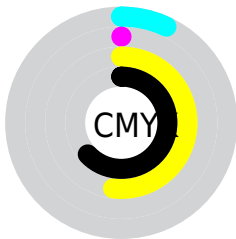
 Blue (17%)



 Red (17%)

 Yellow (36%)

 Blue (20%)

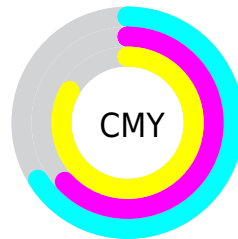


 Cyan (7%)

 Magenta (0%)

 Yellow (52%)

 Black (63%)



 Cyan (66%)

 Magenta (63%)

 Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 29.148, 112.172 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, 29.148, 112.172 by changing the saturation by 10% instead.

 38, 29.148,
112.172

 38, 29.148,
112.172

 100, 29.148,
112.172


 28, 29.148,
112.172


 58, 29.148,
112.172

 18, 29.148,
112.172

 68, 29.148,
112.172

 8, 29.148, 112.172

 78, 29.148,
112.172

 0, 29.148, 112.172

 88, 29.148,
112.172

 98, 29.148,
112.172

■ 38, 29.148,
112.172

■ 38, 29.148,
112.172

■ 38, 34.072,
111.620

■ 38, 23.890,
112.811

■ 38, 38.491,
111.195

■ 39, 18.417,
113.494

■ 37, 42.187,
110.959

■ 39, 12.812,
114.199

■ 37, 45.002,
110.954

■ 39, 7.131, 114.905

■ 37, 47.079,
110.935

■ 40, 1.413, 115.599

■ 40, 4.317, 296.282

■ 40, 10.039,
296.933

■ 41, 15.740,
297.556

■ 41, 21.409,
298.147

Harmonies

Complementary

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



38, 29.148, 112.172



21, 33.080, 300.976

Rectangle

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



38, 29.148, 112.172



38, 29.148, 162.172



38, 29.148, 292.172



38, 29.148, 342.172

Sweetspot

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



38, 29.149, 112.174



51, 11.413, 114.621



26, 22.207, 34.225



25, 7.631, 114.531



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, 29.149, 112.174



49, 42.663, 111.498



36, 32.494, 131.263



19, 3.157, 115.162



43, 52.707, 111.088



89, 93.050, 111.600

Inverse Universe

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



21, 33.080, 300.976



24, 50.489, 302.692



24, 34.058, 315.686



17, 3.218, 296.415



11, 70.932, 307.114



31, 125.700, 306.763

Previews

White Background



This preview shows how the CIELCh color 38, 29.148, 112.172 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, 29.148, 112.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

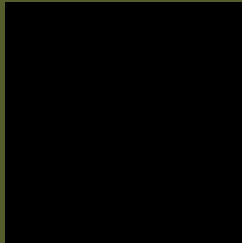
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

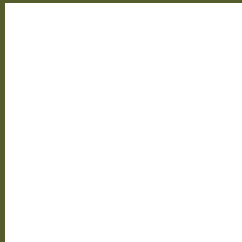
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 29.148, 112.172

Background



This preview shows how black text looks on a background with the CIELCh color 38, 29.148, 112.172.



This preview shows how white text looks on a background with the CIELCh color 38, 29.148, 112.172.

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, 29.148, 112.172

Protanopia

38, 27.930, 95.490

Deuteranopia

38, 26.470, 78.381



Tritanopia
38, 4.642, 311.794

Trichromacy



Original Color
38, 29.148, 112.172

Protanomaly
38, 27.960, 102.643

Deuteranomaly
38, 26.121, 91.821

Tritanomaly
38, 7.951, 108.892

Monochromacy



Original Color
38, 29.148, 112.172

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 11.109, 115.358

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 29.148, 112.172 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(86, 93, 44)` looks like.

```
.text, #text, p{  
    color:rgb(86, 93, 44)  
}
```

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(86, 93, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 93, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 29.148, 112.172 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(86, 93, 44) }
```

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

```
.border{ border-color:rgb(86, 93, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 93, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 93, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 93, 44);  
box-shadow:4px 4px 4px 4px rgb(86, 93, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 29.148, 112.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 93, 44) }
```

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

```
.background{ background-color: rgb(86, 93,  
44) }
```

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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