

Converting Colors

CIELCh(38, 12.437, 288.856)

Have a look what the booklet for
CIELCh(38, 12.437, 288.856)
contains.

CIELCh(38, 12.327, 288.536)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 12.327, 288.536)

Conversions

Conversions Part 1

Format	Color
Hex	56586C
RGB	86, 88, 108
RGB Percent	34%, 35%, 42%
CMY	0.6619, 0.6541, 0.5756
CMYK	0.20, 0.18, 0.00, 0.58
HSL	235°, 11%, 38%
HSV	235°, 20%, 42%
XYZ	10.0809, 10.0881, 15.6618
YIQ	89.6820, -7.6120, 5.7960

Conversions

Conversions Part 2

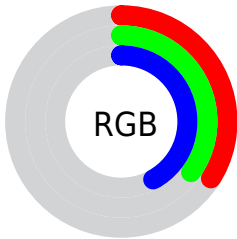
Format	Color
R_{YB}	86, 88, 108
Decimal	5658732
CIE _{Lab}	38.00, 3.92, -11.69
CIE _{LCh}	38, 12.327, 288.536
Yxy	10.0881, 0.2813, 0.2815
Android (android.graphics.Color)	4283848812 (0xFF56586C)
YUV	89.6820, 9.0308, -3.2291
Hunter-Lab	31.7617, 1.0714, -7.0029

Details

The CIELCh color **38, 12.327, 288.536** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **45, 11.898, 104.236**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 11.960, 288.048**, and **18, 12.462, 287.673** is the 20% darker color. If you saturate the color by 10%, you get **34, 18.717, 289.942**, and if you desaturate by 10%, it is **42, 6.160, 287.328**.

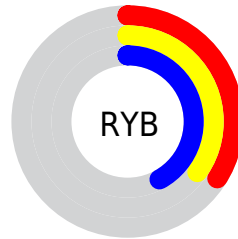
Distribution



Red (34%)

Green (35%)

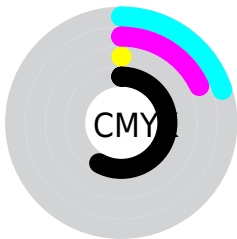
Blue (42%)



Red (34%)

Yellow (35%)

Blue (42%)

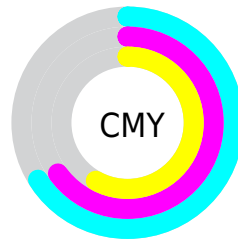


Cyan (20%)

Magenta (18%)

Yellow (0%)

Black (58%)



Cyan (66%)


Magenta (65%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 12.327, 288.536 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, 12.327, 288.536 by changing the saturation by 10% instead.


 38, 12.327,
288.536


 38, 12.327,
288.536

 100, 12.327,
288.536


 28, 12.327,
288.536

 58, 12.327,
288.536


 18, 12.327,
288.536


 68, 12.327,
288.536

 8, 12.327, 288.536

 78, 12.327,
288.536

 0, 12.327, 288.536

 88, 12.327,
288.536

 98, 12.327,
288.536

■ 38, 12.327,
288.536

■ 38, 12.327,
288.536

■ 34, 18.717,
289.942

■ 42, 6.160, 287.328

■ 46, 0.203, 286.597

■ 30, 25.351,
291.577

■ 49, 5.561, 105.365

■ 27, 32.240,
293.457

■ 53, 11.145,
104.594

■ 23, 39.372,
295.582

■ 57, 16.558,
103.919

■ 19, 46.678,
297.904

■ 60, 21.812,
103.329

■ 16, 53.947,
300.309


■ 64, 26.914,
102.811

■ 13, 60.726,
302.593

■ 68, 31.874,
102.353

■ 11, 66.235,

304.262

 71, 36.699,
101.948

Harmonies

Complementary

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



38, 12.327, 288.536



45, 11.898, 104.236

Rectangle

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



38, 12.327, 288.536



38, 12.327, 338.536



38, 12.327, 108.536



38, 12.327, 158.536

Sweetspot

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



38, 12.326, 288.534



56, 4.396, 286.881



44, 8.761, 189.703



28, 2.940, 286.927



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 12.326, 288.534



47, 18.134, 289.115



38, 14.046, 306.524



20, 3.313, 287.176



13, 70.570, 304.435



32, 125.484, 305.364

Inverse Universe

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



39, 9.689, 13.599



48, 14.333, 14.069



44, 13.605, 124.545



21, 2.562, 12.499



23, 54.638, 33.892



51, 97.534, 37.038

Previews

White Background



This preview shows how the CIELCh color 38, 12.327, 288.536 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, 12.327, 288.536 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

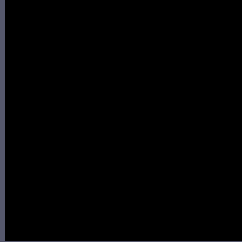
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 12.327, 288.536

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.327, 288.536.

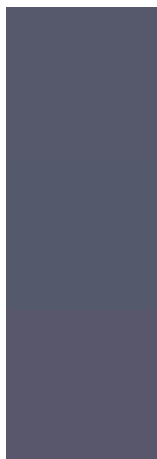


This preview shows how white text looks on a background with the CIELCh color 38, 12.327, 288.536.

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, 12.327, 288.536

Protanopia

38, 11.751, 284.497

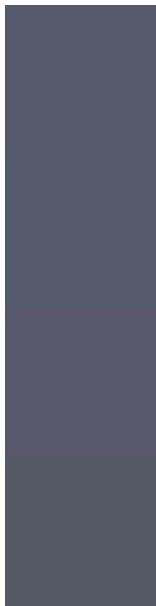
Deuteranopia

38, 12.989, 295.631



Tritanopia
38, 4.892, 261.207

Trichromacy



Original Color
38, 12.327, 288.536

Protanomaly
38, 11.751, 284.497

Deuteranomaly
38, 12.967, 293.923

Tritanomaly
38, 7.522, 279.164

Monochromacy



Original Color
38, 12.327, 288.536

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 4.924, 290.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.327, 288.536 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, 88, 108)` looks like.

```
.text, #text, p{  
    color:rgb(86, 88, 108)  
}
```

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, 88, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 88, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.327, 288.536 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, 88, 108) }
```

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

```
.border{ border-color:rgb(86, 88, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 88, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 88, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 88, 108);  
box-shadow:4px 4px 4px 4px rgb(86, 88,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.327, 288.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 88, 108) }
```

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

```
.background{ background-color: rgb(86, 88,  
108) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor