

Converting Colors

CIELCh(38, 10.836, 257.835)

Have a look what the booklet for
CIELCh(38, 10.836, 257.835)
contains.

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Color

CIELCh(38, 10.836, 257.835)

Conversions

Conversions Part 1

Format	Color
Hex	4B5B6A
RGB	75, 91, 106
RGB Percent	29%, 36%, 42%
CMY	0.7047, 0.6420, 0.5831
CMYK	0.29, 0.14, 0.00, 0.58
HSL	209°, 17%, 36%
HSV	209°, 29%, 42%
XYZ	9.3090, 10.0881, 15.1760
YIQ	87.9260, -14.3510, 1.2730

Conversions

Conversions Part 2

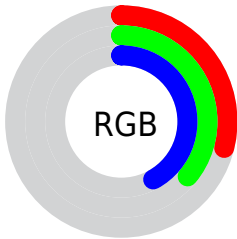
Format	Color
R_{YB}	75, 86, 106
Decimal	4938602
CIE Lab	38.00, -2.28, -10.59
CIE LCh	38, 10.836, 257.835
Yxy	10.0881, 0.2693, 0.2918
Android (android.graphics.Color)	4283128682 (0xFF4B5B6A)
YUV	87.9260, 8.9105, -11.3361
Hunter-Lab	31.7617, -3.2669, -6.0961

Details

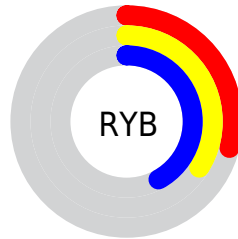
The CIELCh color **38, 10.836, 257.835** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 11.771, 70.315**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 10.633, 258.292**, and **18, 11.188, 259.399** is the 20% darker color. If you saturate the color by 10%, you get **36, 14.425, 259.779**, and if you desaturate by 10%, it is **40, 7.174, 256.191**.

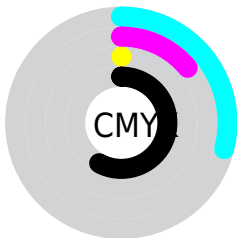
Distribution



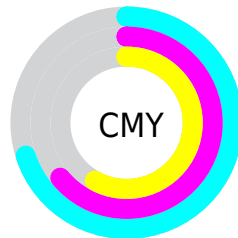
- Red (29%)
- Green (36%)
- Blue (42%)



- Red (29%)
- Yellow (34%)
- Blue (42%)



- Cyan (29%)
- Magenta (14%)
- Yellow (0%)
- Black (58%)



- Cyan (70%)
- Magenta (64%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 10.836, 257.835 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, 10.836, 257.835 by changing the saturation by 10% instead.

■ 38, 10.836,
257.835

■ 38, 10.836,
257.835

■ 100, 10.836,
257.835

■ 28, 10.836,
257.835

■ 58, 10.836,
257.835

■ 18, 10.836,
257.835

■ 68, 10.836,
257.835

■ 8, 10.836, 257.835

■ 78, 10.836,
257.835

■ 0, 10.836, 257.835

■ 88, 10.836,
257.835

■ 98, 10.836,
257.835

■ 38, 10.836,
257.835

■ 38, 10.836,
257.835

■ 36, 14.425,
259.779

■ 40, 7.174, 256.191

■ 33, 17.932,
262.082

■ 43, 3.454, 254.827

■ 45, 0.309, 72.788

■ 31, 21.353,
264.793

■ 48, 4.100, 72.486

■ 29, 24.700,
267.949

■ 50, 7.906, 71.634

■ 52, 11.717, 70.881

■ 27, 27.999,
271.559

■ 55, 15.522, 70.219

■ 25, 31.296,
275.580

■ 57, 19.314, 69.636

■ 60, 23.087, 69.118

■ 23, 34.697,
279.552

■ 23, 34.988,

279.853

Harmonies

Complementary

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



38, 10.836, 257.835



40, 11.771, 70.315

Rectangle

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



38, 10.836, 257.835



38, 10.836, 307.835



38, 10.836, 77.835



38, 10.836, 127.835

Sweetspot

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



38, 10.835, 257.832



55, 4.191, 254.836



42, 15.956, 160.280



27, 2.889, 254.972



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 10.835, 257.832



47, 15.985, 259.116



33, 19.210, 292.854



21, 2.130, 254.803



26, 37.914, 280.421



54, 68.971, 283.319

Inverse Universe

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



36, 16.456, 345.265



44, 24.450, 345.965



44, 18.025, 106.815



21, 3.137, 343.438



24, 48.107, 358.722



53, 82.273, 1.285

Previews

White Background



This preview shows how the CIE LCh color 38, 10.836, 257.835 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, 10.836, 257.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

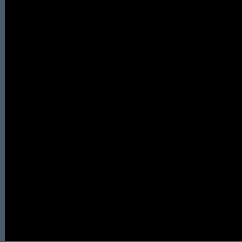
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

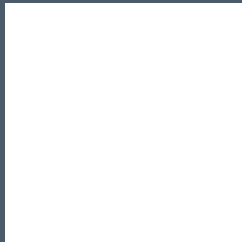
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 10.836, 257.835

Background



This preview shows how black text looks on a background with the CIELCh color 38, 10.836, 257.835.



This preview shows how white text looks on a background with the CIELCh color 38, 10.836, 257.835.

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

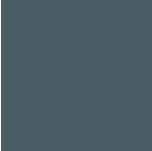
38, 10.836, 257.835

Protanopia

38, 9.279, 284.343

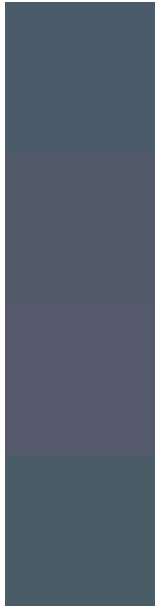
Deuteranopia

38, 12.376, 295.725



Tritanopia
38, 8.384, 234.848

Trichromacy



Original Color
38, 10.836, 257.835

Protanomaly
38, 9.645, 272.925

Deuteranomaly
38, 11.194, 282.021

Tritanomaly
38, 9.073, 241.695

Monochromacy



Original Color
38, 10.836, 257.835

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.383, 257.023

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 10.836, 257.835 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(75, 91, 106)` looks like.

```
.text, #text, p{  
    color:rgb(75, 91, 106)  
}
```

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(75, 91, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 91, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 10.836, 257.835 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(75, 91, 106) }
```

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

```
.border{ border-color:rgb(75, 91, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 91, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 91, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 91, 106);  
box-shadow:4px 4px 4px 4px rgb(75, 91,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 10.836, 257.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 91, 106) }
```

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

```
.background{ background-color: rgb(75, 91,  
106) }
```

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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