

Converting Colors

CIELCh(38, 11.949, 267.831)

Have a look what the booklet for
CIELCh(38, 11.949, 267.831)
contains.

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Color

CIELCh(38, 12.502, 269.172)

Conversions

Conversions Part 1

Format	Color
Hex	4D5A6D
RGB	77, 90, 109
RGB Percent	30%, 35%, 43%
CMY	0.6965, 0.6455, 0.5709
CMYK	0.29, 0.17, 0.00, 0.57
HSL	216°, 17%, 37%
HSV	216°, 29%, 43%
XYZ	9.5661, 10.0881, 16.0292
YIQ	88.2790, -13.8470, 3.1530

Conversions

Conversions Part 2

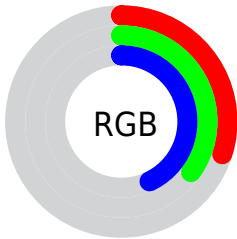
Format	Color
RYB	77, 86, 109
Decimal	5069421
CIELab	38.00, -0.18, -12.50
CIElCh	38, 12.502, 269.172
Yxy	10.0881, 0.2681, 0.2827
Android (android.graphics.Color)	4283259501 (0xFF4D5A6D)
YUV	88.2790, 10.2155, -9.8917
Hunter-Lab	31.7617, -1.8218, -7.6888

Details

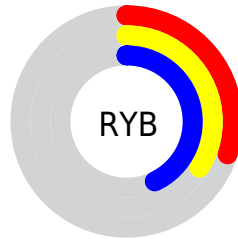
The CIELCh color **38, 12.502, 269.172** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.929, 81.248**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 12.691, 270.040**, and **18, 12.030, 266.551** is the 20% darker color. If you saturate the color by 10%, you get **35, 16.810, 271.131**, and if you desaturate by 10%, it is **41, 8.210, 267.492**.

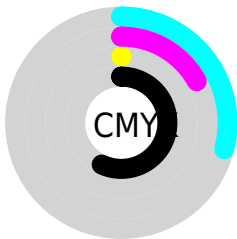
Distribution



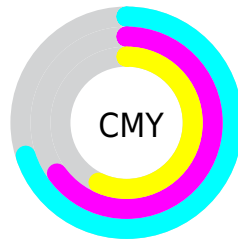
- Red (30%)
- Green (35%)
- Blue (43%)



- Red (30%)
- Yellow (34%)
- Blue (43%)



- Cyan (29%)
- Magenta (17%)
- Yellow (0%)
- Black (57%)





- Cyan (70%)
- Magenta (65%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 12.502, 269.172 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, 12.502, 269.172 by changing the saturation by 10% instead.


 38, 12.502,
269.172


 38, 12.502,
269.172

 100, 12.502,
269.172


 28, 12.502,
269.172

 58, 12.502,
269.172


 18, 12.502,
269.172


 68, 12.502,
269.172

 8, 12.502, 269.172

 78, 12.502,
269.172

 0, 12.502, 269.172

 88, 12.502,
269.172

 98, 12.502,
269.172

■ 38, 12.502,
269.172

■ 38, 12.502,
269.172

■ 35, 16.810,
271.131

■ 41, 8.210, 267.492

■ 32, 21.137,
273.415

■ 44, 3.939, 266.067

■ 30, 25.495,
276.058

■ 46, 0.308, 84.153

■ 27, 29.901,
279.079

■ 52, 8.705, 82.717

■ 25, 34.384,
282.460

■ 55, 12.846, 81.893

■ 22, 38.971,
286.131

■ 58, 16.941, 81.163

■ 20, 43.703,
289.681

■ 60, 20.989, 80.512

■ 20, 44.061,

■ 63, 24.987, 79.929

289.919

Harmonies

Complementary

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



38, 12.502, 269.172



42, 12.929, 81.248

Rectangle

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



38, 12.502, 269.172



38, 12.502, 319.172



38, 12.502, 89.172



38, 12.502, 139.172

Sweetspot

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



38, 12.501, 269.170



56, 4.763, 266.065



43, 15.168, 165.755



28, 3.287, 266.213



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, 12.501, 269.170



47, 18.630, 270.449



34, 20.128, 296.300



21, 2.348, 266.026



21, 46.676, 290.259



46, 85.389, 292.720

Inverse Universe

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



37, 15.868, 351.831



45, 23.714, 352.642



45, 18.851, 111.133



21, 2.921, 349.741



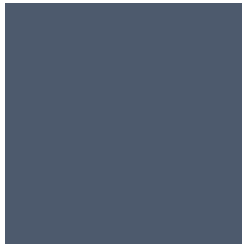
24, 47.608, 8.825



52, 82.292, 12.092

Previews

White Background



This preview shows how the CIE LCh color 38, 12.502, 269.172 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, 12.502, 269.172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

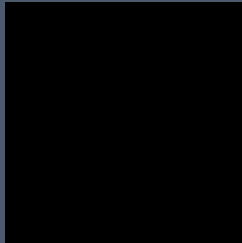
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

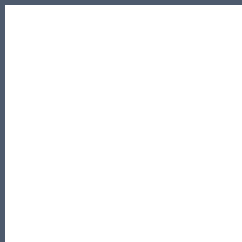
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 12.502, 269.172

Background



This preview shows how black text looks on a background with the CIELCh color 38, 12.502, 269.172.

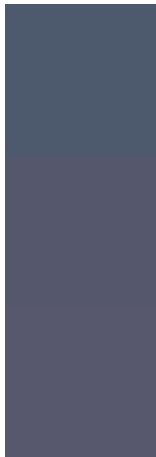


This preview shows how white text looks on a background with the CIELCh color 38, 12.502, 269.172.

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

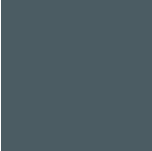
38, 12.502, 269.172

Protanopia

38, 12.349, 286.770

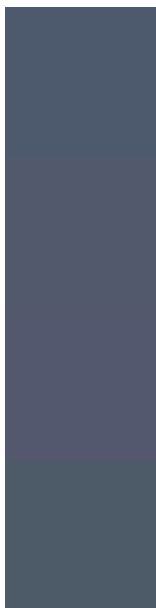
Deuteranopia

38, 14.185, 292.405



Tritanopia
38, 7.781, 232.493

Trichromacy



Original Color
38, 12.502, 269.172

Protanomaly
38, 12.518, 279.879

Deuteranomaly
38, 13.600, 285.909

Tritanomaly
38, 9.203, 252.660

Monochromacy



Original Color
38, 12.502, 269.172

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 4.175, 261.655

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 12.502, 269.172 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(77, 90, 109)` looks like.

```
.text, #text, p{  
    color:rgb(77, 90, 109)  
}
```

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(77, 90, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 90, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 12.502, 269.172 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(77, 90, 109) }
```

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

```
.border{ border-color:rgb(77, 90, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 90, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 90, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 90, 109);  
box-shadow:4px 4px 4px 4px rgb(77, 90,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 12.502, 269.172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 90, 109) }
```

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

```
.background{ background-color: rgb(77, 90,  
109) }
```

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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