

Converting Colors

CIELCh(38, 13.268, 272.165)

Have a look what the booklet for
CIELCh(38, 13.268, 272.165)
contains.

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Color

CIELCh(38, 13.514, 272.972)

Conversions

Conversions Part 1

Format	Color
Hex	4E5A6F
RGB	78, 90, 111
RGB Percent	31%, 35%, 44%
CMY	0.6940, 0.6469, 0.5646
CMYK	0.30, 0.19, 0.00, 0.56
HSL	218°, 17%, 37%
HSV	218°, 30%, 44%
XYZ	9.6752, 10.0881, 16.4867
YIQ	88.8060, -13.8930, 3.9870

Conversions

Conversions Part 2

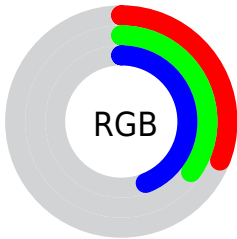
Format	Color
R_{YB}	78, 87, 111
Decimal	5134959
CIE Lab	38.00, 0.70, -13.50
CIE LCh	38, 13.514, 272.972
Yxy	10.0881, 0.2669, 0.2783
Android (android.graphics.Color)	4283325039 (0xFF4E5A6F)
YUV	88.8060, 10.9416, -9.4769
Hunter-Lab	31.7617, -1.2083, -8.5427




Details

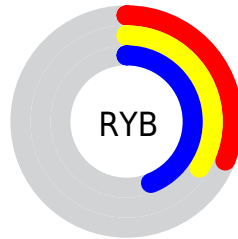
The CIELCh color **38, 13.514, 272.972** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 13.749, 84.972**, and the grayscale version is **38, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 13.639, 273.405**, and **18, 13.122, 271.278** is the 20% darker color. If you saturate the color by 10%, you get **35, 18.161, 274.914**, and if you desaturate by 10%, it is **41, 8.918, 271.301**.

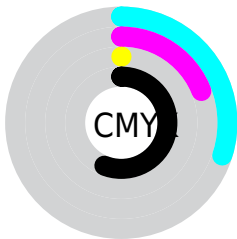
Distribution







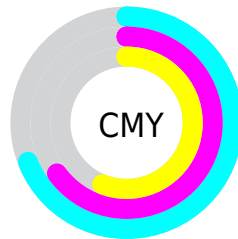
-  Red (31%)
-  Green (35%)
-  Blue (44%)






-  Red (31%)
-  Yellow (34%)
-  Blue (44%)



-  Cyan (30%)
-  Magenta (19%)
-  Yellow (0%)
-  Black (56%)





-  Cyan (69%)
-  Magenta (65%)
-  Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 13.514, 272.972 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, 13.514, 272.972 by changing the saturation by 10% instead.


 38, 13.514,
272.972


 38, 13.514,
272.972

 100, 13.514,
272.972


 28, 13.514,
272.972

 58, 13.514,
272.972


 18, 13.514,
272.972


 68, 13.514,
272.972

 8, 13.514, 272.972

 78, 13.514,
272.972

 0, 13.514, 272.972

 88, 13.514,
272.972

 98, 13.514,
272.972

■ 38, 13.514,
272.972

■ 38, 13.514,
272.972

■ 35, 18.161,
274.914

■ 41, 8.918, 271.301

■ 32, 22.867,
277.170

■ 44, 4.373, 269.878

■ 29, 27.646,
279.770

■ 47, 0.120, 87.163

■ 26, 32.519,
282.724

■ 53, 8.942, 86.539

■ 24, 37.509,
286.005

■ 56, 13.266, 85.712

■ 21, 42.625,
289.529

■ 59, 17.529, 84.978

■ 19, 47.870,
292.878

■ 62, 21.729, 84.324

■ 19, 48.019,

■ 65, 25.866, 83.737

292.963

Harmonies

Complementary

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



38, 13.514, 272.972



43, 13.749, 84.972

Rectangle

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



38, 13.514, 272.972



38, 13.514, 322.972



38, 13.514, 92.972



38, 13.514, 142.972

Sweetspot

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



38, 13.513, 272.970



57, 5.049, 269.816



44, 15.009, 168.768



29, 3.538, 269.969



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



38, 13.513, 272.970



47, 20.495, 274.352



35, 20.754, 298.043



22, 2.552, 269.786



21, 51.160, 293.305



44, 92.731, 295.520

Inverse Universe

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



37, 15.977, 354.654



46, 24.278, 355.590



46, 19.441, 113.245



22, 2.963, 352.429



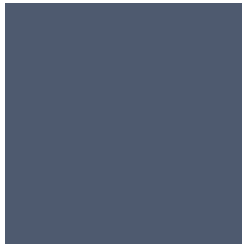
24, 48.649, 12.923



52, 83.889, 16.277

Previews

White Background



This preview shows how the CIE LCh color 38, 13.514, 272.972 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, 13.514, 272.972 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

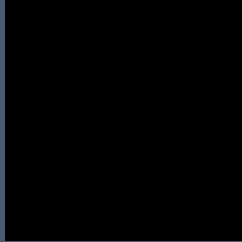
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

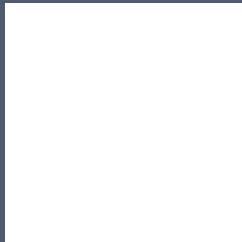
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 13.514, 272.972

Background



This preview shows how black text looks on a background with the CIELCh color 38, 13.514, 272.972.

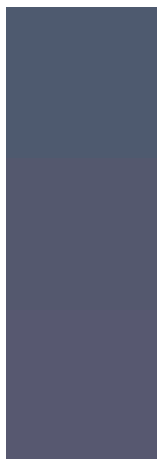


This preview shows how white text looks on a background with the CIELCh color 38, 13.514, 272.972.

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

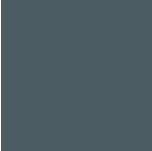
38, 13.514, 272.972

Protanopia

38, 13.600, 285.909

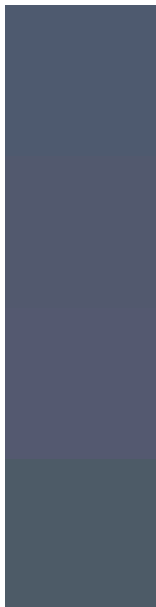
Deuteranopia

38, 14.770, 291.011



Tritanopia
38, 7.478, 234.088

Trichromacy



Original Color
38, 13.514, 272.972

Protanomaly
38, 13.115, 280.595

Deuteranomaly
38, 14.217, 284.791

Tritanomaly
38, 8.991, 254.543

Monochromacy



Original Color
38, 13.514, 272.972

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 5.154, 272.681

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 13.514, 272.972 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(78, 90, 111)` looks like.

```
.text, #text, p{  
    color:rgb(78, 90, 111)  
}
```

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(78, 90, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 90, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 13.514, 272.972 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(78, 90, 111) }
```

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

```
.border{ border-color:rgb(78, 90, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 90, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 90, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 90, 111);  
box-shadow:4px 4px 4px 4px rgb(78, 90,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 13.514, 272.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 90, 111) }
```

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

```
.background{ background-color: rgb(78, 90,  
111) }
```

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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