

Converting Colors

CIELCh(38, 17.084, 278.589)

Have a look what the booklet for
CIELCh(38, 17.084, 278.589)
contains.

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Color

CIELCh(38, 17.539, 279.835)

Conversions

Conversions Part 1

Format	Color
Hex	4E5975
RGB	78, 89, 117
RGB Percent	31%, 35%, 46%
CMY	0.6934, 0.6503, 0.5405
CMYK	0.33, 0.24, 0.00, 0.54
HSL	223°, 20%, 38%
HSV	223°, 33%, 46%
XYZ	9.9634, 10.0881, 18.3061
YIQ	88.9030, -15.5440, 6.3760

Conversions

Conversions Part 2

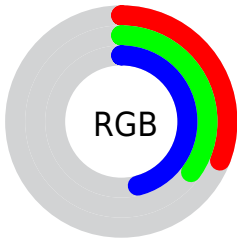
Format	Color
R_{YB}	78, 87, 117
Decimal	5134709
CIE _{Lab}	38.00, 3.00, -17.28
CIE _{LCh}	38, 17.539, 279.835
Yxy	10.0881, 0.2598, 0.2630
Android (android.graphics.Color)	4283324789 (0xFF4E5975)
YUV	88.9030, 13.8518, -9.5619
Hunter-Lab	31.7617, 0.4112, -11.9391

Details

The CIELCh color **38, 17.539, 279.835** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **45, 17.323, 91.049**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 17.379, 279.358**, and **18, 17.614, 279.311** is the 20% darker color. If you saturate the color by 10%, you get **35, 23.063, 281.803**, and if you desaturate by 10%, it is **41, 12.140, 278.137**.

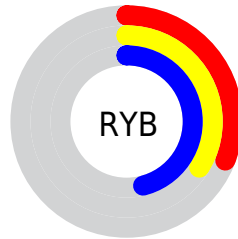
Distribution



Red (31%)

Green (35%)

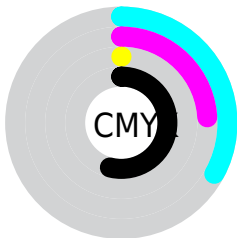
Blue (46%)



Red (31%)

Yellow (34%)

Blue (46%)

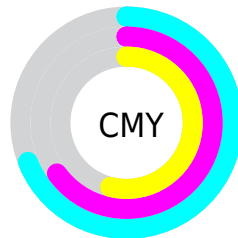


Cyan (33%)

Magenta (24%)

Yellow (0%)

Black (54%)



Cyan (69%)


Magenta (65%)


Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 17.539, 279.835 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, 17.539, 279.835 by changing the saturation by 10% instead.


 38, 17.539,
279.835


 38, 17.539,
279.835

 100, 17.539,
279.835


 28, 17.539,
279.835

 58, 17.539,
279.835


 18, 17.539,
279.835


 68, 17.539,
279.835

 8, 17.539, 279.835

 78, 17.539,
279.835

 0, 17.539, 279.835

 88, 17.539,
279.835

 98, 17.539,
279.835

■ 38, 17.539,
279.835

■ 38, 17.539,
279.835

■ 35, 23.063,
281.803

■ 41, 12.140,
278.137

■ 31, 28.731,
284.076

■ 45, 6.858, 276.681

■ 48, 1.684, 275.477

■ 28, 34.560,
286.668

■ 52, 3.385, 94.254

■ 25, 40.561,
289.565

■ 55, 8.353, 93.320

■ 22, 46.718,
292.699

■ 58, 13.221, 92.486

■ 62, 17.992, 91.747

■ 19, 52.941,
295.921

■ 65, 22.668, 91.090

■ 17, 57.095,
297.848

■ 68, 27.250, 90.503

Harmonies

Complementary

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



38, 17.539, 279.835



45, 17.323, 91.049

Rectangle

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



38, 17.539, 279.835



38, 17.539, 329.835



38, 17.539, 99.835



38, 17.539, 149.835

Sweetspot

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



38, 17.538, 279.834



59, 6.403, 276.283



46, 16.448, 173.991



30, 4.347, 276.425



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



38, 17.538, 279.834



46, 26.447, 281.332



36, 24.584, 301.210



23, 2.896, 276.130



18, 59.187, 298.009



40, 105.999, 299.823

Inverse Universe

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



38, 18.170, 0.805



46, 27.398, 1.960



48, 22.912, 116.526



23, 2.946, 357.970



25, 50.771, 20.488



53, 87.771, 23.897

Previews

White Background



This preview shows how the CIE LCh color 38, 17.539, 279.835 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 CIELCh color 38, 17.539, 279.835 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

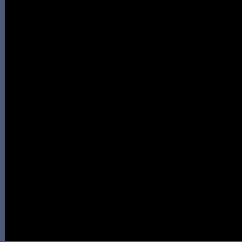
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

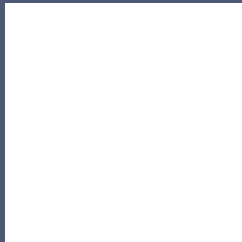
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 17.539, 279.835

Background



This preview shows how black text looks on a background with the CIELCh color 38, 17.539, 279.835.

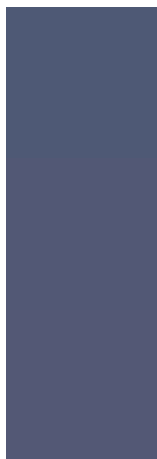


This preview shows how white text looks on a background with the CIELCh color 38, 17.539, 279.835.

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

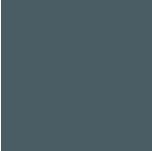
38, 17.539, 279.835

Protanopia

38, 17.921, 285.962

Deuteranopia

38, 17.890, 287.098



Tritanopia
38, 8.384, 234.848

Trichromacy



Original Color
38, 17.539, 279.835

Protanomaly
38, 17.958, 284.837

Deuteranomaly
38, 17.958, 284.837

Tritanomaly
38, 10.655, 259.480

Monochromacy



Original Color
38, 17.539, 279.835

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 6.329, 276.493

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 17.539, 279.835 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(78, 89, 117)` looks like.

```
.text, #text, p{  
    color:rgb(78, 89, 117)  
}
```

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, 89, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 89, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 17.539, 279.835 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(78, 89, 117) }
```

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

```
.border{ border-color:rgb(78, 89, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 89, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 89, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 89, 117);  
box-shadow:4px 4px 4px 4px rgb(78, 89,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 17.539, 279.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 89, 117) }
```

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

```
.background{ background-color: rgb(78, 89,  
117) }
```

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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