

Converting Colors

CIELCh(38, 19.190, 237.915)

Have a look what the booklet for
CIELCh(38, 19.190, 237.915)
contains.

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Color

CIELCh(38, 19.236, 238.133)

Conversions

Conversions Part 1

Format	Color
Hex	2E5F73
RGB	46, 95, 115
RGB Percent	18%, 37%, 45%
CMY	0.8180, 0.6260, 0.5475
CMYK	0.60, 0.17, 0.00, 0.55
HSL	197°, 43%, 32%
HSV	197°, 60%, 45%
XYZ	8.3873, 10.0881, 17.8402
YIQ	82.6290, -35.6240, -4.1680

Conversions

Conversions Part 2

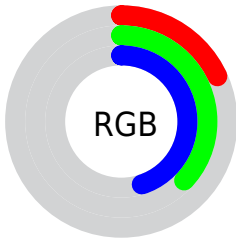
Format	Color
RYB	46, 75, 115
Decimal	3039091
CIELab	38.00, -10.16, -16.34
CIElCh	38, 19.236, 238.133
Yxy	10.0881, 0.2310, 0.2778
Android (android.graphics.Color)	4281229171 (0xFF2E5F73)
YUV	82.6290, 15.9589, -32.1236
Hunter-Lab	31.7617, -8.4466, -11.0694




Details

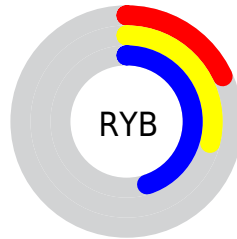
The CIELCh color **38, 19.236, 238.133** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **34, 28.439, 48.027**, and the grayscale version is **35, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 19.373, 238.917**, and **18, 17.317, 243.952** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.443, 240.763**, and if you desaturate by 10%, it is **40, 16.688, 236.006**.

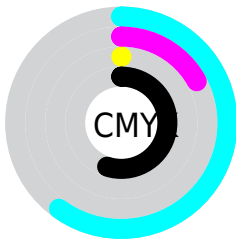
Distribution







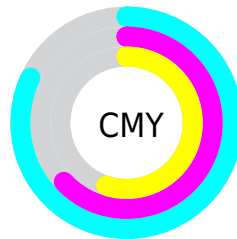
-  Red (18%)
-  Green (37%)
-  Blue (45%)






-  Red (18%)
-  Yellow (29%)
-  Blue (45%)



-  Cyan (60%)
-  Magenta (17%)
-  Yellow (0%)
-  Black (55%)





-  Cyan (82%)
-  Magenta (63%)
-  Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.236, 238.133 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, 19.236, 238.133 by changing the saturation by 10% instead.


 38, 19.236,
238.133


 38, 19.236,
238.133

 100, 19.236,
238.133


 28, 19.236,
238.133

 58, 19.236,
238.133


 18, 19.236,
238.133


 68, 19.236,
238.133

 8, 19.236, 238.133

 78, 19.236,
238.133

 0, 19.236, 238.133

 88, 19.236,
238.133

 98, 19.236,
238.133

■ 38, 19.236,
238.133

■ 38, 19.236,
238.133

■ 36, 21.443,
240.763

■ 40, 16.688,
236.006

■ 35, 23.315,
243.971

■ 41, 13.821,
234.305

■ 34, 24.890,
247.803

■ 43, 10.668,
232.954

■ 32, 26.366,
251.881

■ 45, 7.273, 231.892

■ 32, 26.401,
251.968

■ 47, 3.676, 231.086

■ 49, 0.084, 46.240

■ 51, 3.969, 49.706

■ 53, 7.950, 49.333

■ 55, 12.001, 49.022

Harmonies

Complementary

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



38, 19.236, 238.133



34, 28.439, 48.027

Rectangle

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



38, 19.236, 238.133



38, 19.236, 288.133



38, 19.236, 58.133



38, 19.236, 108.133

Sweetspot

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



38, 19.235, 238.132



58, 8.253, 231.772



43, 39.602, 148.000



30, 5.747, 231.994



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, 19.235, 238.132



47, 26.953, 242.002



27, 35.070, 289.578



24, 2.148, 231.039



34, 27.607, 252.309



68, 47.892, 255.288

Inverse Universe

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



31, 39.414, 338.383



37, 55.827, 339.820



43, 32.347, 92.443



23, 3.882, 334.435



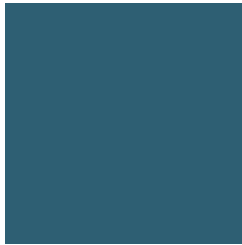
26, 54.319, 343.441



56, 91.164, 344.560

Previews

White Background



This preview shows how the CIE LCh color 38, 19.236, 238.133 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 CIE LCh color 38, 19.236, 238.133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

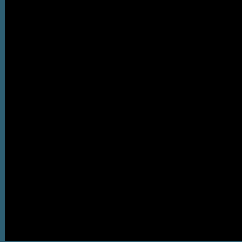
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 19.236, 238.133

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.236, 238.133.



This preview shows how white text looks on a background with the CIELCh color 38, 19.236, 238.133.

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, 19.236, 238.133

Protanopia

38, 13.600, 285.909

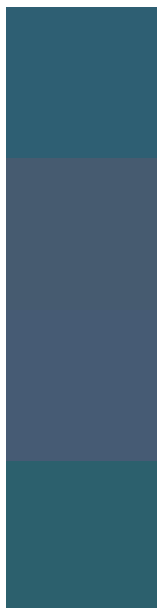
Deuteranopia

38, 17.890, 287.098



Tritanopia
38, 18.435, 212.976

Trichromacy



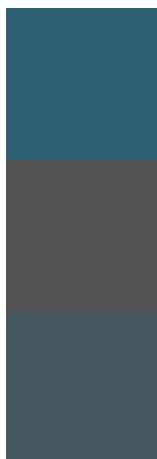
Original Color
38, 19.236, 238.133

Protanomaly
38, 14.678, 261.292

Deuteranomaly
38, 16.757, 266.418

Tritanomaly
38, 18.253, 223.847

Monochromacy



Original Color
38, 19.236, 238.133

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 8.145, 236.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.236, 238.133 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(46, 95, 115)` looks like.

```
.text, #text, p{  
    color:rgb(46, 95, 115)  
}
```

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(46, 95, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 95, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.236, 238.133 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(46, 95, 115) }
```

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

```
.border{ border-color:rgb(46, 95, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 95, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 95, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 95, 115);  
box-shadow:4px 4px 4px 4px rgb(46, 95,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.236, 238.133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 95, 115) }
```

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

```
.background{ background-color: rgb(46, 95,  
115) }
```

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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