

Converting Colors

CIELCh(38, 19.150, 198.248)

Have a look what the booklet for
CIELCh(38, 19.150, 198.248)
contains.

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Color

CIELCh(38, 19.160, 198.928)

Conversions

Conversions Part 1

Format	Color
Hex	296263
RGB	41, 98, 99
RGB Percent	16%, 38%, 39%
CMY	0.8396, 0.6160, 0.6121
CMYK	0.59, 0.01, 0.00, 0.61
HSL	181°, 41%, 27%
HSV	181°, 59%, 39%
XYZ	7.5184, 10.0881, 13.3340
YIQ	81.0710, -34.2930, -11.7730

Conversions

Conversions Part 2

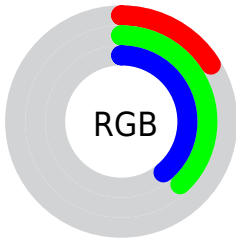
Format	Color
RYB	41, 70, 99
Decimal	2712163
CIELab	38.00, -18.12, -6.22
CIELCh	38, 19.160, 198.928
Yxy	10.0881, 0.2430, 0.3260
Android (android.graphics.Color)	4280902243 (0xFF296263)
YUV	81.0710, 8.8390, -35.1423
Hunter-Lab	31.7617, -13.3295, -2.6576




Details

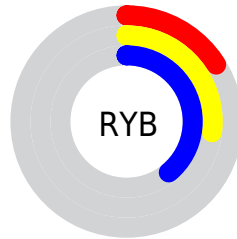
The CIELCh color **38, 19.160, 198.928** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **25, 28.909, 27.190**, and the grayscale version is **34, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 19.162, 199.379**, and **18, 15.773, 201.569** is the 20% darker color. If you saturate the color by 10%, you get **38, 21.121, 198.813**, and if you desaturate by 10%, it is **38, 16.744, 199.116**.

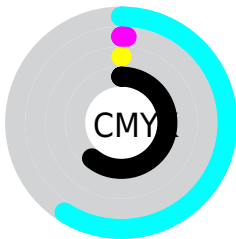
Distribution







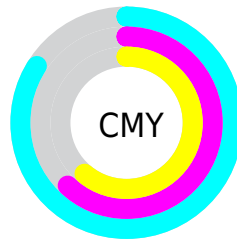
-  Red (16%)
-  Green (38%)
-  Blue (39%)






-  Red (16%)
-  Yellow (27%)
-  Blue (39%)



-  Cyan (59%)
-  Magenta (1%)
-  Yellow (0%)
-  Black (61%)



-  Cyan (84%)
-  Magenta (62%)
-  Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.160, 198.928 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, 19.160, 198.928 by changing the saturation by 10% instead.


 38, 19.160,
198.928


 38, 19.160,
198.928

 100, 19.160,
198.928


 28, 19.160,
198.928

 58, 19.160,
198.928


 18, 19.160,
198.928


 68, 19.160,
198.928

 8, 19.160, 198.928

 78, 19.160,
198.928

 0, 19.160, 198.928

 88, 19.160,
198.928

 98, 19.160,
198.928

■ 38, 19.160,
198.928

■ 38, 19.160,
198.928

■ 38, 21.121,
198.813

■ 38, 16.744,
199.116

■ 37, 22.606,
198.782

■ 39, 13.909,
199.378

■ 37, 23.618,
198.834

■ 40, 10.707,
199.705

■ 37, 24.358,
198.931

■ 40, 7.192, 200.096

■ 37, 24.459,
198.944

■ 41, 3.422, 200.568

■ 42, 0.549, 20.327

■ 43, 4.672, 21.351

■ 44, 8.902, 21.899

■ 45, 13.204, 22.442

Harmonies

Complementary

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



38, 19.160, 198.928



25, 28.909, 27.190

Rectangle

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



38, 19.160, 198.928



38, 19.160, 248.928



38, 19.160, 18.928



38, 19.160, 68.928

Sweetspot

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



38, 19.160, 198.926



52, 8.559, 200.101



37, 41.460, 140.230



26, 5.860, 200.014



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



38, 19.160, 198.926



48, 25.960, 198.794



28, 20.844, 268.141



20, 2.182, 200.557



42, 26.726, 198.983



85, 46.653, 199.150

Inverse Universe

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



27, 41.098, 327.754



33, 57.705, 328.236



32, 24.013, 70.164



18, 4.003, 325.333



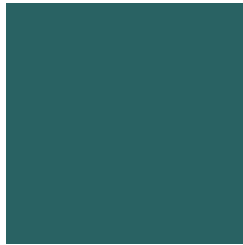
26, 62.275, 328.897



57, 108.777, 328.940

Previews

White Background



This preview shows how the CIELCh color 38, 19.160, 198.928 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, 19.160, 198.928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

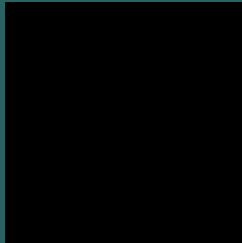
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 19.160, 198.928

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.160, 198.928.



This preview shows how white text looks on a background with the CIELCh color 38, 19.160, 198.928.

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, 19.160, 198.928

Protanopia

38, 2.465, 290.584

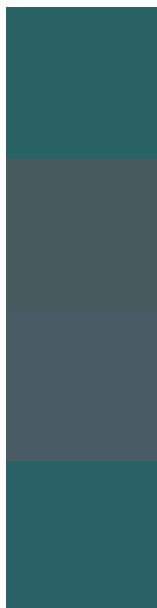
Deuteranopia

38, 8.897, 304.642



Tritanopia
38, 18.217, 213.191

Trichromacy



Original Color
38, 19.160, 198.928

Protanomaly
38, 8.020, 211.857

Deuteranomaly
38, 8.724, 238.433

Tritanomaly
38, 18.402, 208.960

Monochromacy



Original Color
38, 19.160, 198.928

Achromatopsia
34, 0.005, 296.813

Achromatomaly
35, 8.359, 202.610

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.160, 198.928 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(41, 98, 99)` looks like.

```
.text, #text, p{  
    color:rgb(41, 98, 99)  
}
```

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(41, 98, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 98, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.160, 198.928 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(41, 98, 99) }
```

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

```
.border{ border-color:rgb(41, 98, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 98, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 98, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 98, 99);  
box-shadow:4px 4px 4px 4px rgb(41, 98, 99)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.160, 198.928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 98, 99) }
```

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

```
.background{ background-color: rgb(41, 98,  
99) }
```

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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