

Converting Colors

CIELCh(38, 13.556, 189.716)

Have a look what the booklet for
CIELCh(38, 13.556, 189.716)
contains.

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Color

CIELCh(38, 13.539, 189.798)

Conversions

Conversions Part 1

Format	Color
Hex	3D605D
RGB	61, 96, 93
RGB Percent	24%, 38%, 36%
CMY	0.7618, 0.6245, 0.6363
CMYK	0.37, 0.00, 0.03, 0.62
HSL	175°, 22%, 31%
HSV	175°, 37%, 38%
XYZ	8.0323, 10.0881, 11.8200
YIQ	85.1930, -19.8970, -8.3530

Conversions

Conversions Part 2

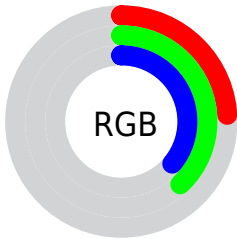
Format	Color
RYB	61, 79, 96
Decimal	4022365
CIELab	38.00, -13.34, -2.30
CIELCh	38, 13.539, 189.798
Yxy	10.0881, 0.2683, 0.3369
Android (android.graphics.Color)	4282212445 (0xFF3D605D)
YUV	85.1930, 3.8489, -21.2173
Hunter-Lab	31.7617, -10.4416, 0.1687




Details

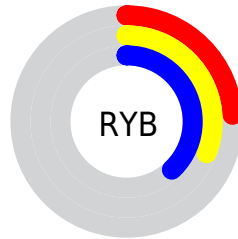
The CIELCh color **38, 13.539, 189.798** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 16.479, 15.919**, and the grayscale version is **36, 0.005, 296.813**.




A 20% lighter version of the original color is **58, 13.791, 188.581**, and **18, 13.746, 187.997** is the 20% darker color. If you saturate the color by 10%, you get **37, 16.624, 189.080**, and if you desaturate by 10%, it is **39, 10.137, 190.505**.

Distribution







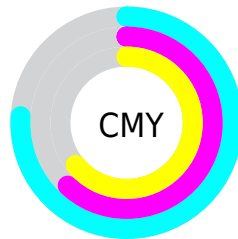
-  Red (24%)
-  Green (38%)
-  Blue (36%)






-  Red (24%)
-  Yellow (31%)
-  Blue (38%)



-  Cyan (37%)
-  Magenta (0%)
-  Yellow (3%)
-  Black (62%)




-  Cyan (76%)
-  Magenta (62%)
-  Yellow (64%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 13.539, 189.798 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, 13.539, 189.798 by changing the saturation by 10% instead.

 38, 13.539,
189.798


 38, 13.539,
189.798

 100, 13.539,
189.798


 28, 13.539,
189.798

 58, 13.539,
189.798


 18, 13.539,
189.798


 68, 13.539,
189.798

 8, 13.539, 189.798

 78, 13.539,
189.798

 0, 13.539, 189.798

 88, 13.539,
189.798

 98, 13.539,
189.798

■ 38, 13.539,
189.798

■ 38, 13.539,
189.798

■ 37, 16.624,
189.080

■ 39, 10.137,
190.505

■ 37, 19.337,
188.351

■ 39, 6.477, 191.219

■ 40, 2.614, 191.983

■ 37, 21.633,
187.598

■ 41, 1.399, 12.326

■ 36, 23.481,
186.812

■ 42, 5.514, 13.181

■ 36, 24.872,
185.977

■ 43, 9.692, 13.887

■ 44, 13.902, 14.572

■ 36, 25.934,
185.114

■ 45, 18.116, 15.245

■ 36, 26.300,
184.829

■ 46, 22.315, 15.906

Harmonies

Complementary

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



38, 13.539, 189.798



30, 16.479, 15.919

Rectangle

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



38, 13.539, 189.798



38, 13.539, 239.798



38, 13.539, 9.798



38, 13.539, 59.798

Sweetspot

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



38, 13.539, 189.795



51, 5.416, 191.602



37, 25.359, 139.604



26, 3.661, 191.536



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, 13.539, 189.795



49, 19.654, 189.166



34, 11.526, 248.804



20, 2.250, 191.790



42, 29.459, 184.625



86, 51.784, 183.945

Inverse Universe

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



30, 16.479, 15.919



36, 25.241, 17.290



34, 13.479, 60.498



18, 2.351, 12.897



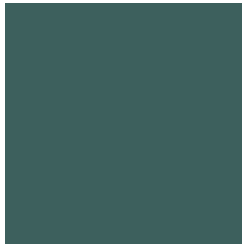
22, 52.782, 33.649



50, 96.207, 37.218

Previews

White Background



This preview shows how the CIELCh color 38, 13.539, 189.798 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 CIE LCh color 38, 13.539, 189.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

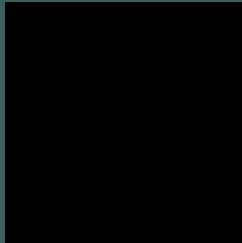
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

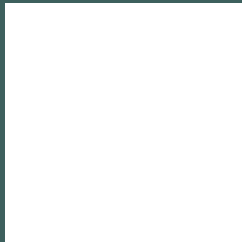
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 13.539, 189.798

Background



This preview shows how black text looks on a background with the CIELCh color 38, 13.539, 189.798.



This preview shows how white text looks on a background with the CIELCh color 38, 13.539, 189.798.

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, 13.539, 189.798

Protanopia

38, 0.850, 19.160

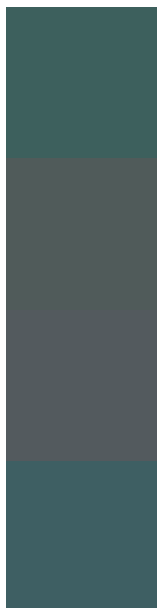
Deuteranopia

38, 5.981, 324.845



Tritanopia
38, 12.229, 222.044

Trichromacy



Original Color
38, 13.539, 189.798

Protanomaly
38, 4.585, 191.114

Deuteranomaly
38, 3.729, 240.623

Tritanomaly
38, 12.423, 209.440

Monochromacy



Original Color
38, 13.539, 189.798

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 5.392, 192.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 13.539, 189.798 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(61, 96, 93)` looks like.

```
.text, #text, p{  
    color:rgb(61, 96, 93)  
}
```

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(61, 96, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 96, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 13.539, 189.798 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(61, 96, 93) }
```

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

```
.border{ border-color:rgb(61, 96, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 96, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 96, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 96, 93);  
box-shadow:4px 4px 4px 4px rgb(61, 96, 93)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 38, 13.539, 189.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 96, 93) }
```

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

```
.background{ background-color: rgb(61, 96,  
93) }
```

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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