

Converting Colors

CIELCh(38, 11.711, 239.676)

Have a look what the booklet for
CIELCh(38, 11.711, 239.676)
contains.

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Color

CIELCh(38, 11.581, 238.383)

Conversions

Conversions Part 1

Format	Color
Hex	445D69
RGB	68, 93, 105
RGB Percent	27%, 36%, 41%
CMY	0.7332, 0.6351, 0.5881
CMYK	0.35, 0.11, 0.00, 0.59
HSL	199°, 21%, 34%
HSV	199°, 35%, 41%
XYZ	8.8575, 10.0881, 14.8575
YIQ	86.8930, -18.7520, -1.5680

Conversions

Conversions Part 2

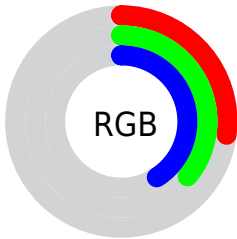
Format	Color
R_{YB}	68, 83, 105
Decimal	4480361
CIE _{Lab}	38.00, -6.07, -9.86
CIE _{LCh}	38, 11.581, 238.383
Yxy	10.0881, 0.2620, 0.2984
Android (android.graphics.Color)	4282670441 (0xFF445D69)
YUV	86.8930, 8.9268, -16.5692
Hunter-Lab	31.7617, -5.8041, -5.5015

Details

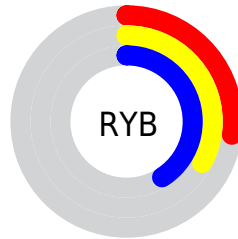
The CIELCh color **38, 11.581, 238.383** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 14.032, 52.269**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 11.656, 238.324**, and **18, 11.537, 239.653** is the 20% darker color. If you saturate the color by 10%, you get **36, 14.442, 240.074**, and if you desaturate by 10%, it is **40, 8.503, 237.015**.

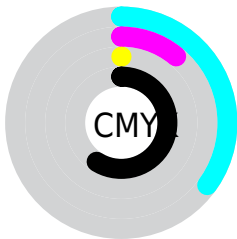
Distribution



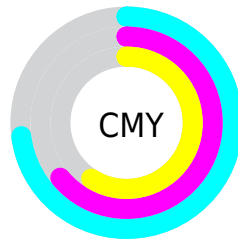
- Red (27%)
- Green (36%)
- Blue (41%)



- Red (27%)
- Yellow (33%)
- Blue (41%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (59%)





- Cyan (73%)
- Magenta (64%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 11.581, 238.383 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, 11.581, 238.383 by changing the saturation by 10% instead.


 38, 11.581,
238.383


 38, 11.581,
238.383

 100, 11.581,
238.383


 28, 11.581,
238.383

 58, 11.581,
238.383


 18, 11.581,
238.383


 68, 11.581,
238.383

 8, 11.581, 238.383

 78, 11.581,
238.383

 0, 11.581, 238.383

 88, 11.581,
238.383

 98, 11.581,
238.383

■ 38, 11.581,
238.383

■ 38, 11.581,
238.383

■ 36, 14.442,
240.074

■ 40, 8.503, 237.015

■ 35, 17.057,
242.166

■ 42, 5.243, 235.928

■ 43, 1.833, 235.140

■ 33, 19.405,
244.729

■ 45, 1.695, 54.063

■ 32, 21.484,
247.833

■ 47, 5.315, 53.597

■ 49, 9.002, 53.141

■ 30, 23.318,
251.528

■ 51, 12.737, 52.758

■ 29, 24.998,
255.688

■ 53, 16.504, 52.441

■ 55, 20.290, 52.179

■ 28, 25.835,
257.564

Harmonies

Complementary

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



38, 11.581, 238.383



36, 14.032, 52.269

Rectangle

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



38, 11.581, 238.383



38, 11.581, 288.383



38, 11.581, 58.383



38, 11.581, 108.383

Sweetspot

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



38, 11.581, 238.380



55, 4.766, 235.574



41, 21.666, 152.189



28, 3.173, 235.654



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



38, 11.581, 238.380



48, 16.854, 239.702



32, 19.186, 286.138



21, 1.989, 235.385



32, 28.118, 258.262



65, 49.940, 261.504

Inverse Universe

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



34, 21.830, 337.787



42, 32.335, 338.451



42, 18.356, 97.561



21, 3.509, 335.835



25, 51.631, 345.754



54, 87.866, 347.158

Previews

White Background



This preview shows how the CIE LCh color 38, 11.581, 238.383 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, 11.581, 238.383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

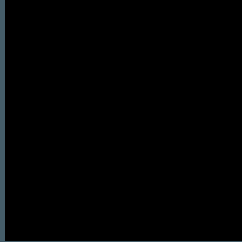
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

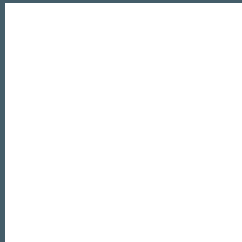
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 11.581, 238.383

Background



This preview shows how black text looks on a background with the CIELCh color 38, 11.581, 238.383.

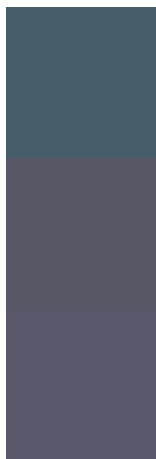


This preview shows how white text looks on a background with the CIELCh color 38, 11.581, 238.383.

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, 11.581, 238.383

Protanopia

38, 8.631, 288.912

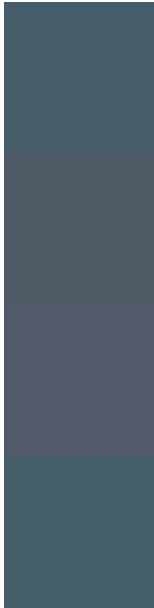
Deuteranopia

38, 11.762, 295.839



Tritanopia
38, 10.859, 221.771

Trichromacy



Original Color
38, 11.581, 238.383

Protanomaly
38, 8.787, 265.239

Deuteranomaly
38, 10.824, 275.376

Tritanomaly
38, 11.047, 224.909

Monochromacy



Original Color
38, 11.581, 238.383

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 4.713, 240.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 11.581, 238.383 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(68, 93, 105)` looks like.

```
.text, #text, p{  
    color:rgb(68, 93, 105)  
}
```

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(68, 93, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 93, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 11.581, 238.383 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(68, 93, 105) }
```

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

```
.border{ border-color:rgb(68, 93, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 93, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 93, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 93, 105);  
box-shadow:4px 4px 4px 4px rgb(68, 93,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 11.581, 238.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 93, 105) }
```

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

```
.background{ background-color: rgb(68, 93,  
105) }
```

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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