

Converting Colors

CIELCh(38, 19.505, 255.685)

Have a look what the booklet for
CIELCh(38, 19.505, 255.685)
contains.

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Color

CIELCh(38, 19.783, 256.336)

Conversions

Conversions Part 1

Format	Color
Hex	395D78
RGB	57, 93, 120
RGB Percent	22%, 36%, 47%
CMY	0.7759, 0.6347, 0.5288
CMYK	0.52, 0.22, 0.00, 0.53
HSL	206°, 36%, 35%
HSV	206°, 52%, 47%
XYZ	9.0224, 10.0881, 19.2893
YIQ	85.3140, -30.1230, 0.7650

Conversions

Conversions Part 2

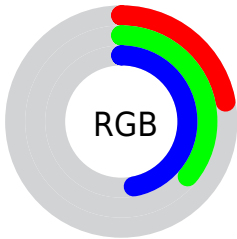
Format	Color
RYB	57, 80, 120
Decimal	3759480
CIELab	38.00, -4.67, -19.22
CIELCh	38, 19.783, 256.336
Yxy	10.0881, 0.2350, 0.2627
Android (android.graphics.Color)	4281949560 (0xFF395D78)
YUV	85.3140, 17.1002, -24.8314
Hunter-Lab	31.7617, -4.8775, -13.7745

Details

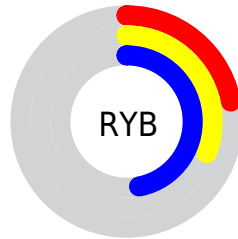
The CIELCh color **38, 19.783, 256.336** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **39, 24.554, 61.959**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 19.717, 256.085**, and **18, 19.601, 256.803** is the 20% darker color. If you saturate the color by 10%, you get **36, 23.102, 259.224**, and if you desaturate by 10%, it is **40, 16.298, 253.910**.

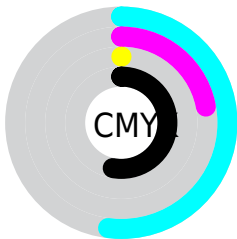
Distribution



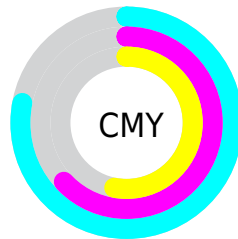
- Red (22%)
- Green (36%)
- Blue (47%)



- Red (22%)
- Yellow (31%)
- Blue (47%)



- Cyan (52%)
- Magenta (22%)
- Yellow (0%)
- Black (53%)





- Cyan (78%)
- Magenta (63%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.783, 256.336 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, 19.783, 256.336 by changing the saturation by 10% instead.


 38, 19.783,
256.336


 38, 19.783,
256.336


 100, 19.783,
256.336


 28, 19.783,
256.336

 58, 19.783,
256.336


 18, 19.783,
256.336


 68, 19.783,
256.336

 8, 19.783, 256.336

 78, 19.783,
256.336

 0, 19.783, 256.336

 88, 19.783,
256.336

 98, 19.783,
256.336

■ 38, 19.783,
256.336

■ 38, 19.783,
256.336

■ 36, 23.102,
259.224

■ 40, 16.298,
253.910

■ 34, 26.270,
262.621

■ 43, 12.657,
251.887

■ 32, 29.322,
266.535

■ 45, 8.876, 250.207

■ 30, 32.325,
270.909

■ 47, 4.977, 248.822

■ 50, 0.986, 247.877

■ 28, 34.677,
274.108

■ 52, 3.075, 66.491

■ 55, 7.185, 65.701

■ 57, 11.327, 64.995

■ 60, 15.487, 64.383

Harmonies

Complementary

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



38, 19.783, 256.336



39, 24.554, 61.959

Rectangle

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



38, 19.783, 256.336



38, 19.783, 306.336



38, 19.783, 76.336



38, 19.783, 126.336

Sweetspot

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



38, 19.782, 256.335



59, 7.878, 249.337



46, 32.624, 154.356



30, 5.350, 249.561



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 19.782, 256.335



46, 28.679, 259.895



29, 37.116, 294.323



24, 2.298, 248.424



30, 35.786, 274.328



59, 63.047, 277.150

Inverse Universe

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



33, 33.370, 344.821



40, 48.052, 346.468



48, 33.026, 101.366



24, 3.647, 340.628



26, 51.201, 354.174



55, 85.469, 356.154

Previews

White Background



This preview shows how the CIE LCh color 38, 19.783, 256.336 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, 19.783, 256.336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

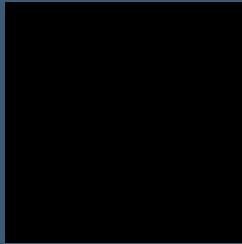
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

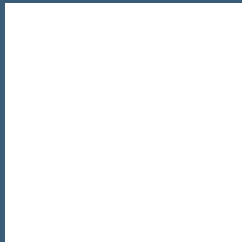
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 19.783, 256.336

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.783, 256.336.

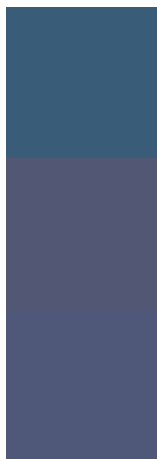


This preview shows how white text looks on a background with the CIELCh color 38, 19.783, 256.336.

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, 19.783, 256.336

Protanopia

38, 17.315, 285.588

Deuteranopia

38, 20.412, 285.348



Tritanopia
38, 16.070, 215.622

Trichromacy



Original Color
38, 19.783, 256.336

Protanomaly
38, 17.994, 273.454

Deuteranomaly
38, 19.789, 274.852

Tritanomaly
38, 16.509, 232.263

Monochromacy



Original Color
38, 19.783, 256.336

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 7.880, 251.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 19.783, 256.336 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(57, 93, 120)` looks like.

```
.text, #text, p{  
    color:rgb(57, 93, 120)  
}
```

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(57, 93, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 93, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.783, 256.336 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(57, 93, 120) }
```

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

```
.border{ border-color:rgb(57, 93, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 93, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 93, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 93, 120);  
box-shadow:4px 4px 4px 4px rgb(57, 93,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.783, 256.336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 93, 120) }
```

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

```
.background{ background-color: rgb(57, 93,  
120) }
```

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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