

Converting Colors

CIELCh(38, 19.504, 242.028)

Have a look what the booklet for
CIELCh(38, 19.504, 242.028)
contains.

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Color

CIELCh(38, 19.520, 242.411)

Conversions

Conversions Part 1

Format	Color
Hex	305F75
RGB	48, 95, 117
RGB Percent	19%, 37%, 46%
CMY	0.8119, 0.6276, 0.5413
CMYK	0.59, 0.19, 0.00, 0.54
HSL	199°, 42%, 32%
HSV	199°, 59%, 46%
XYZ	8.5140, 10.0881, 18.3157
YIQ	83.4550, -35.0740, -3.1220

Conversions

Conversions Part 2

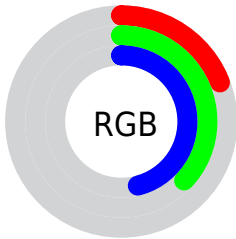
Format	Color
R_{YB}	48, 76, 117
Decimal	3170165
CIE _{Lab}	38.00, -9.04, -17.30
CIE _{LCh}	38, 19.520, 242.411
Yxy	10.0881, 0.2306, 0.2733
Android (android.graphics.Color)	4281360245 (0xFF305F75)
YUV	83.4550, 16.5377, -31.0940
Hunter-Lab	31.7617, -7.7345, -11.9570

Details

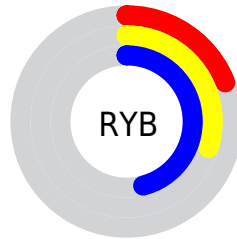
The CIELCh color **38, 19.520, 242.411** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **35, 28.020, 50.685**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 19.593, 242.954**, and **18, 18.053, 248.131** is the 20% darker color. If you saturate the color by 10%, you get **36, 21.919, 245.212**, and if you desaturate by 10%, it is **40, 16.813, 240.124**.

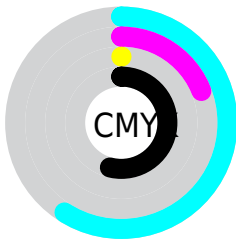
Distribution



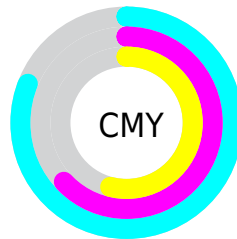
- Red (19%)
- Green (37%)
- Blue (46%)



- Red (19%)
- Yellow (30%)
- Blue (46%)



- Cyan (59%)
- Magenta (19%)
- Yellow (0%)
- Black (54%)





- Cyan (81%)
- Magenta (63%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 19.520, 242.411 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, 19.520, 242.411 by changing the saturation by 10% instead.


 38, 19.520,
242.411


 38, 19.520,
242.411

 100, 19.520,
242.411


 28, 19.520,
242.411

 58, 19.520,
242.411


 18, 19.520,
242.411


 68, 19.520,
242.411

 8, 19.520, 242.411

 78, 19.520,
242.411

 0, 19.520, 242.411

 88, 19.520,
242.411

 98, 19.520,
242.411

■ 38, 19.520,
242.411

■ 38, 19.520,
242.411

■ 36, 21.919,
245.212

■ 40, 16.813,
240.124

■ 35, 24.021,
248.595

■ 42, 13.817,
238.275

■ 33, 25.868,
252.593

■ 43, 10.561,
236.790

■ 32, 27.626,
256.873

■ 45, 7.083, 235.605

■ 47, 3.423, 234.691

■ 32, 27.812,
257.278

■ 49, 0.385, 52.949

■ 52, 4.306, 53.115

■ 54, 8.313, 52.647

■ 56, 12.383, 52.251

Harmonies

Complementary

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



38, 19.520, 242.411



35, 28.020, 50.685

Rectangle

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



38, 19.520, 242.411



38, 19.520, 292.411



38, 19.520, 62.411



38, 19.520, 112.411

Sweetspot

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



38, 19.519, 242.410



59, 8.373, 235.550



44, 38.546, 149.338



29, 5.754, 235.801



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, 19.519, 242.410



47, 27.646, 246.439



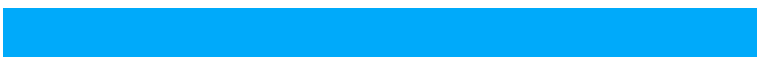
27, 36.527, 291.168



24, 2.146, 234.694



33, 28.801, 257.547



66, 50.258, 260.594

Inverse Universe

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



31, 38.701, 339.713



38, 55.075, 341.250



44, 33.161, 94.776



23, 3.803, 335.614



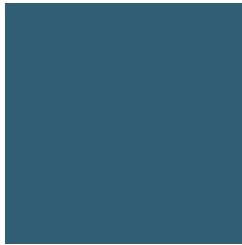
26, 53.359, 345.459



55, 89.527, 346.752

Previews

White Background



This preview shows how the CIE LCh color 38, 19.520, 242.411 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, 19.520, 242.411 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

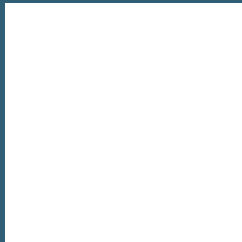
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 19.520, 242.411

Background



This preview shows how black text looks on a background with the CIELCh color 38, 19.520, 242.411.

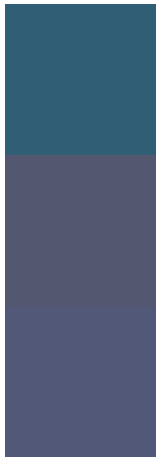


This preview shows how white text looks on a background with the CIELCh color 38, 19.520, 242.411.

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, 19.520, 242.411

Protanopia

38, 14.852, 285.261

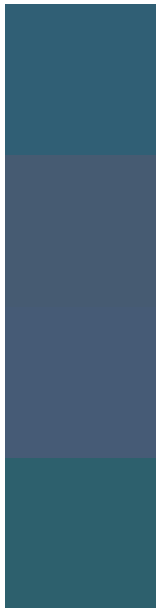
Deuteranopia

38, 19.134, 286.652



Tritanopia
38, 18.217, 213.191

Trichromacy



Original Color
38, 19.520, 242.411

Protanomaly
38, 15.704, 264.014

Deuteranomaly
38, 17.831, 268.554

Tritanomaly
38, 18.047, 224.191

Monochromacy



Original Color
38, 19.520, 242.411

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, 19.520, 242.411 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(48, 95, 117)` looks like.

```
.text, #text, p{  
    color:rgb(48, 95, 117)  
}
```

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(48, 95, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 95, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 19.520, 242.411 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(48, 95, 117) }
```

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

```
.border{ border-color:rgb(48, 95, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 95, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 95, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 95, 117);  
box-shadow:4px 4px 4px 4px rgb(48, 95,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 19.520, 242.411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 95, 117) }
```

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

```
.background{ background-color: rgb(48, 95,  
117) }
```

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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