

Converting Colors

CIELCh(38, 16.515, 245.442)

Have a look what the booklet for
CIELCh(38, 16.515, 245.442)
contains.

CIELCh(38, 16.282, 244.626)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(38, 16.282, 244.626)

Conversions

Conversions Part 1

Format	Color
Hex	3B5E71
RGB	59, 94, 113
RGB Percent	23%, 37%, 44%
CMY	0.7693, 0.6320, 0.5575
CMYK	0.48, 0.17, 0.00, 0.56
HSL	201°, 31%, 34%
HSV	201°, 48%, 44%
XYZ	8.7517, 10.0881, 17.0571
YIQ	85.7010, -26.9590, -1.5110

Conversions

Conversions Part 2

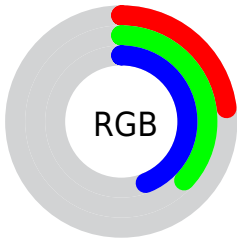
Format	Color
R_{YB}	59, 80, 113
Decimal	3890801
CIE _{Lab}	38.00, -6.98, -14.71
CIE _{LCh}	38, 16.282, 244.626
Yxy	10.0881, 0.2438, 0.2810
Android (android.graphics.Color)	4282080881 (0xFF3B5E71)
YUV	85.7010, 13.4584, -23.4168
Hunter-Lab	31.7617, -6.3986, -9.6075

Details

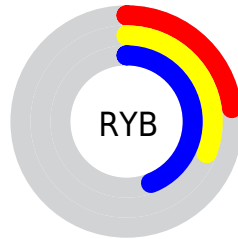
The CIELCh color **38, 16.282, 244.626** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **36, 21.055, 54.448**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 16.491, 245.364**, and **18, 16.286, 244.435** is the 20% darker color. If you saturate the color by 10%, you get **36, 19.088, 247.015**, and if you desaturate by 10%, it is **40, 13.234, 242.669**.

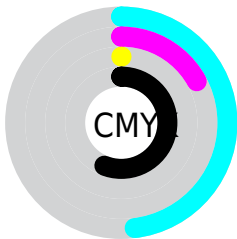
Distribution



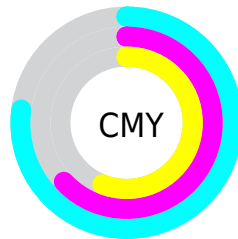
- Red (23%)
- Green (37%)
- Blue (44%)



- Red (23%)
- Yellow (31%)
- Blue (44%)



- Cyan (48%)
- Magenta (17%)
- Yellow (0%)
- Black (56%)





- Cyan (77%)
- Magenta (63%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 16.282, 244.626 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, 16.282, 244.626 by changing the saturation by 10% instead.


 38, 16.282,
244.626


 38, 16.282,
244.626

 100, 16.282,
244.626


 28, 16.282,
244.626

 58, 16.282,
244.626


 18, 16.282,
244.626


 68, 16.282,
244.626

 8, 16.282, 244.626

 78, 16.282,
244.626

 0, 16.282, 244.626

 88, 16.282,
244.626

 98, 16.282,
244.626

■ 38, 16.282,
244.626

■ 38, 16.282,
244.626

■ 36, 19.088,
247.015

■ 40, 13.234,
242.669

■ 34, 21.641,
249.911

■ 42, 9.970, 241.078

■ 44, 6.521, 239.790

■ 33, 23.952,
253.372

■ 46, 2.920, 238.785

■ 31, 26.062,
257.418

■ 48, 0.802, 57.415

■ 30, 28.105,
261.759

■ 50, 4.617, 57.020

■ 52, 8.502, 56.458

■ 29, 28.563,
262.626

■ 54, 12.435, 55.977

■ 57, 16.400, 55.571

Harmonies

Complementary

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



38, 16.282, 244.626



36, 21.055, 54.448

Rectangle

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



38, 16.282, 244.626



38, 16.282, 294.626



38, 16.282, 64.626



38, 16.282, 114.626

Sweetspot

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



38, 16.281, 244.625



58, 6.422, 239.406



43, 30.073, 152.114



29, 4.392, 239.588



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



38, 16.281, 244.625



47, 23.424, 247.194



30, 29.421, 290.302



22, 2.076, 238.882



31, 29.941, 262.996



63, 53.017, 266.148

Inverse Universe

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



33, 30.556, 340.221



40, 44.478, 341.318



44, 27.141, 98.132



22, 3.579, 337.027



25, 51.590, 347.844



54, 87.169, 349.391

Previews

White Background



This preview shows how the CIE LCh color 38, 16.282, 244.626 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, 16.282, 244.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

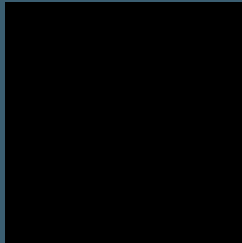
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 16.282, 244.626

Background



This preview shows how black text looks on a background with the CIELCh color 38, 16.282, 244.626.

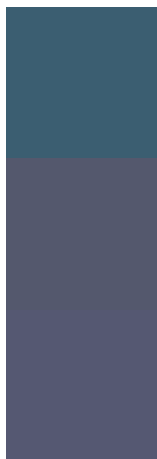


This preview shows how white text looks on a background with the CIELCh color 38, 16.282, 244.626.

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, 16.282, 244.626

Protanopia

38, 12.991, 285.482

Deuteranopia

38, 16.016, 288.668



Tritanopia
38, 14.488, 217.862

Trichromacy



Original Color
38, 16.282, 244.626

Protanomaly
38, 13.309, 267.542

Deuteranomaly
38, 15.532, 272.047

Tritanomaly
38, 14.882, 227.979

Monochromacy



Original Color
38, 16.282, 244.626

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.624, 239.867

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 16.282, 244.626 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(59, 94, 113)` looks like.

```
.text, #text, p{  
    color:rgb(59, 94, 113)  
}
```

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(59, 94, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 94, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 16.282, 244.626 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(59, 94, 113) }
```

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

```
.border{ border-color:rgb(59, 94, 113) }
```

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

Here you see how a box with a 4 pixel rgb(59, 94, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 94, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 94, 113);  
box-shadow:4px 4px 4px 4px rgb(59, 94,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 16.282, 244.626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 94, 113) }
```

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

```
.background{ background-color: rgb(59, 94,  
113) }
```

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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