

Converting Colors

CIELCh(38, 15.954, 260.194)

Have a look what the booklet for
CIELCh(38, 15.954, 260.194)
contains.

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Color

CIELCh(38, 16.118, 260.843)

Conversions

Conversions Part 1

Format	Color
Hex	445C73
RGB	68, 92, 115
RGB Percent	27%, 36%, 45%
CMY	0.7339, 0.6398, 0.5496
CMYK	0.41, 0.20, 0.00, 0.55
HSL	209°, 26%, 36%
HSV	209°, 41%, 45%
XYZ	9.2749, 10.0881, 17.6336
YIQ	87.4460, -21.6870, 2.0650

Conversions

Conversions Part 2

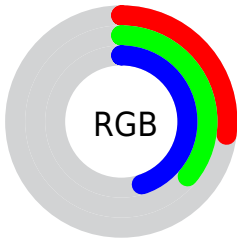
Format	Color
RYB	68, 84, 115
Decimal	4480115
CIELab	38.00, -2.57, -15.91
CIElCh	38, 16.118, 260.843
Yxy	10.0881, 0.2507, 0.2727
Android (android.graphics.Color)	4282670195 (0xFF445C73)
YUV	87.4460, 13.5841, -17.0541
Hunter-Lab	31.7617, -3.4584, -10.6837

Details

The CIELCh color **38, 16.118, 260.843** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 18.142, 69.470**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 16.170, 261.026**, and **18, 16.309, 262.304** is the 20% darker color. If you saturate the color by 10%, you get **36, 19.869, 263.252**, and if you desaturate by 10%, it is **40, 12.280, 258.803**.

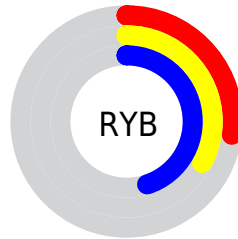
Distribution



Red (27%)

Green (36%)

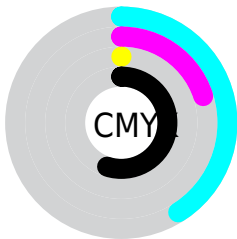
Blue (45%)



Red (27%)

Yellow (33%)

Blue (45%)

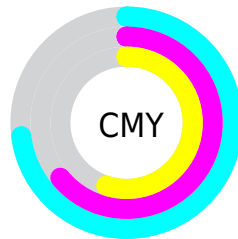


Cyan (41%)

Magenta (20%)

Yellow (0%)

Black (55%)



Cyan (73%)


Magenta (64%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 16.118, 260.843 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, 16.118, 260.843 by changing the saturation by 10% instead.


 38, 16.118,
260.843


 38, 16.118,
260.843


 100, 16.118,
260.843


 28, 16.118,
260.843


 58, 16.118,
260.843


 18, 16.118,
260.843


 68, 16.118,
260.843

 8, 16.118, 260.843

 78, 16.118,
260.843

 0, 16.118, 260.843

 88, 16.118,
260.843

 98, 16.118,
260.843

■ 38, 16.118,
260.843

■ 38, 16.118,
260.843

■ 36, 19.869,
263.252

■ 40, 12.280,
258.803

■ 33, 23.537,
266.084

■ 43, 8.368, 257.086

■ 46, 4.394, 255.650

■ 31, 27.136,
269.371

■ 48, 0.375, 255.018

■ 29, 30.701,
273.110

■ 51, 3.674, 73.217

■ 27, 34.285,
277.238

■ 53, 7.740, 72.338

■ 56, 11.809, 71.557

■ 25, 37.658,
280.866

■ 59, 15.872, 70.871

■ 61, 19.921, 70.267

Harmonies

Complementary

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



38, 16.118, 260.843



40, 18.142, 69.470

Rectangle

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



38, 16.118, 260.843



38, 16.118, 310.843



38, 16.118, 80.843



38, 16.118, 130.843

Sweetspot

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



38, 16.117, 260.842



58, 6.021, 255.834



45, 23.598, 158.984



30, 4.023, 255.964



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, 16.117, 260.842



47, 23.870, 263.090



31, 29.417, 294.735



23, 2.308, 255.415



26, 39.667, 281.211



54, 70.901, 283.916

Inverse Universe

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



35, 24.530, 346.864



43, 36.372, 348.044



47, 26.703, 105.710



23, 3.375, 343.736



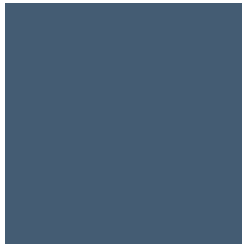
25, 49.504, 359.392



54, 83.481, 1.851

Previews

White Background



This preview shows how the CIE LCh color 38, 16.118, 260.843 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, 16.118, 260.843 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

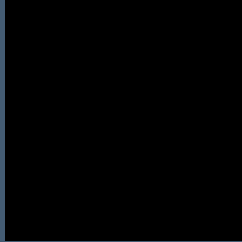
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

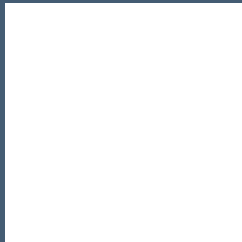
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 16.118, 260.843

Background



This preview shows how black text looks on a background with the CIELCh color 38, 16.118, 260.843.

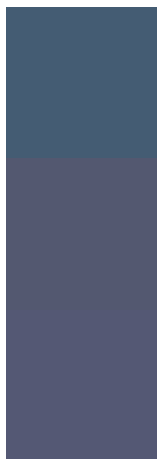


This preview shows how white text looks on a background with the CIELCh color 38, 16.118, 260.843.

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, 16.118, 260.843

Protanopia

38, 14.852, 285.261

Deuteranopia

38, 17.256, 287.965



Tritanopia
38, 11.936, 222.699

Trichromacy



Original Color
38, 16.118, 260.843

Protanomaly
38, 15.268, 275.804

Deuteranomaly
38, 16.948, 279.211

Tritanomaly
38, 12.994, 240.304

Monochromacy



Original Color
38, 16.118, 260.843

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 6.025, 254.398

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 16.118, 260.843 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, 92, 115)` looks like.

```
.text, #text, p{  
    color:rgb(68, 92, 115)  
}
```

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, 92, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 92, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 16.118, 260.843 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, 92, 115) }
```

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

```
.border{ border-color:rgb(68, 92, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 92, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 92, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 92, 115);  
box-shadow:4px 4px 4px 4px rgb(68, 92,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 16.118, 260.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 92, 115) }
```

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

```
.background{ background-color: rgb(68, 92,  
115) }
```

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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