

Converting Colors

CIELCh(38, 11.406, 263.393)

Have a look what the booklet for
CIELCh(38, 11.406, 263.393)
contains.

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Color

CIELCh(38, 11.683, 263.094)

Conversions

Conversions Part 1

Format	Color
Hex	4C5B6C
RGB	76, 91, 108
RGB Percent	30%, 36%, 42%
CMY	0.7022, 0.6434, 0.5767
CMYK	0.30, 0.16, 0.00, 0.58
HSL	212°, 17%, 36%
HSV	212°, 30%, 42%
XYZ	9.4158, 10.0881, 15.6218
YIQ	88.4530, -14.3970, 2.1070

Conversions

Conversions Part 2

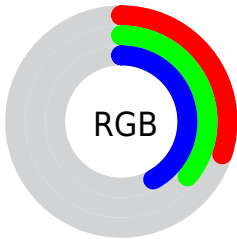
Format	Color
R_{YB}	76, 86, 108
Decimal	5004140
CIE _{Lab}	38.00, -1.40, -11.60
CIE _{LCh}	38, 11.683, 263.094
Yxy	10.0881, 0.2681, 0.2872
Android (android.graphics.Color)	4283194220 (0xFF4C5B6C)
YUV	88.4530, 9.6367, -10.9213
Hunter-Lab	31.7617, -2.6662, -6.9282

Details

The CIELCh color **38, 11.683, 263.094** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 12.427, 75.147**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 11.424, 263.167**, and **18, 12.166, 265.088** is the 20% darker color. If you saturate the color by 10%, you get **35, 15.566, 265.081**, and if you desaturate by 10%, it is **41, 7.765, 261.401**.

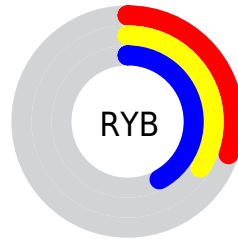
Distribution



Red (30%)

Green (36%)

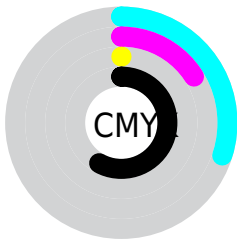
Blue (42%)



Red (30%)

Yellow (34%)

Blue (42%)

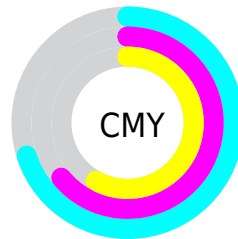


Cyan (30%)

Magenta (16%)

Yellow (0%)

Black (58%)



Cyan (70%)


Magenta (64%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 11.683, 263.094 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, 11.683, 263.094 by changing the saturation by 10% instead.


 38, 11.683,
263.094


 38, 11.683,
263.094

 100, 11.683,
263.094


 28, 11.683,
263.094

 58, 11.683,
263.094


 18, 11.683,
263.094


 68, 11.683,
263.094

 8, 11.683, 263.094

 78, 11.683,
263.094

 0, 11.683, 263.094

 88, 11.683,
263.094

 98, 11.683,
263.094

■ 38, 11.683,
263.094

■ 38, 11.683,
263.094

■ 35, 15.566,
265.081

■ 41, 7.765, 261.401

■ 33, 19.410,
267.416

■ 43, 3.821, 259.979

■ 46, 0.137, 77.076

■ 31, 23.219,
270.139

■ 48, 4.099, 77.551

■ 28, 27.009,
273.279

■ 51, 8.056, 76.648

■ 53, 11.999, 75.845

■ 26, 30.810,
276.829

■ 56, 15.920, 75.136

■ 24, 34.665,
280.730

■ 59, 19.814, 74.507

■ 61, 23.676, 73.946

■ 22, 38.656,
284.512

■ 22, 38.803,

284.636

Harmonies

Complementary

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



38, 11.683, 263.094



40, 12.427, 75.147

Rectangle

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



38, 11.683, 263.094



38, 11.683, 313.094



38, 11.683, 83.094



38, 11.683, 133.094

Sweetspot

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



38, 11.682, 263.091



55, 4.422, 259.928



43, 15.992, 161.968



28, 3.096, 260.075



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



38, 11.682, 263.091



47, 17.541, 264.519



34, 20.148, 294.113



21, 2.213, 259.891



24, 41.553, 285.084



50, 75.845, 287.798

Inverse Universe

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



36, 16.463, 348.026



44, 24.845, 348.848



45, 18.839, 108.205



21, 3.040, 346.035



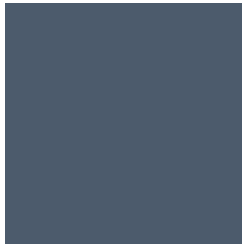
24, 47.679, 2.999



53, 81.860, 5.894

Previews

White Background



This preview shows how the CIE LCh color 38, 11.683, 263.094 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, 11.683, 263.094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

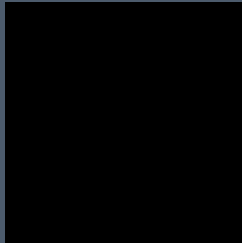
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

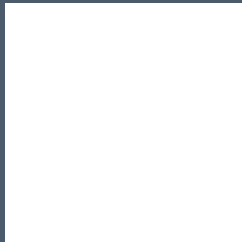
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 11.683, 263.094

Background



This preview shows how black text looks on a background with the CIELCh color 38, 11.683, 263.094.

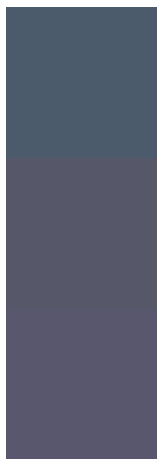


This preview shows how white text looks on a background with the CIELCh color 38, 11.683, 263.094.

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

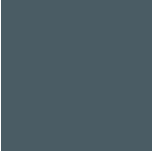
38, 11.683, 263.094

Protanopia

38, 11.102, 287.915

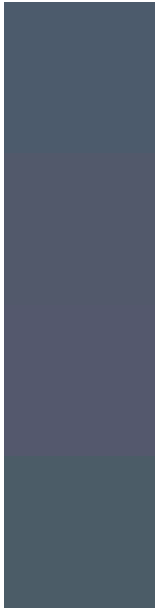
Deuteranopia

38, 13.582, 293.931



Tritanopia
38, 8.384, 234.848

Trichromacy



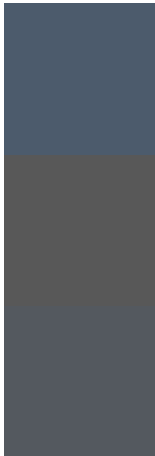
Original Color
38, 11.683, 263.094

Protanomaly
38, 11.327, 278.248

Deuteranomaly
38, 12.991, 285.482

Tritanomaly
38, 9.213, 246.351

Monochromacy



Original Color
38, 11.683, 263.094

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 4.182, 261.669

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 11.683, 263.094 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(76, 91, 108)` looks like.

```
.text, #text, p{  
    color:rgb(76, 91, 108)  
}
```

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(76, 91, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 91, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 11.683, 263.094 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(76, 91, 108) }
```

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

```
.border{ border-color:rgb(76, 91, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 91, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 91, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 91, 108);  
box-shadow:4px 4px 4px 4px rgb(76, 91,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 11.683, 263.094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 91, 108) }
```

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

```
.background{ background-color: rgb(76, 91,  
108) }
```

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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