

Converting Colors

CIELCh(38, 13.368, 262.409)

Have a look what the booklet for
CIELCh(38, 13.368, 262.409)
contains.

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Color

CIELCh(38, 13.709, 263.473)

Conversions

Conversions Part 1

Format	Color
Hex	495B6F
RGB	73, 91, 111
RGB Percent	29%, 36%, 44%
CMY	0.7130, 0.6424, 0.5640
CMYK	0.34, 0.18, 0.00, 0.56
HSL	212°, 21%, 36%
HSV	212°, 34%, 44%
XYZ	9.3971, 10.0881, 16.5444
YIQ	87.8980, -17.1480, 2.4040

Conversions

Conversions Part 2

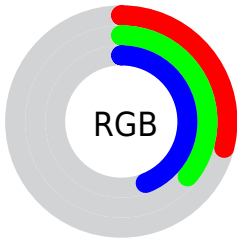
Format	Color
R_{YB}	73, 85, 111
Decimal	4807535
CIE Lab	38.00, -1.56, -13.62
CIE LCh	38, 13.709, 263.473
Yxy	10.0881, 0.2608, 0.2800
Android (android.graphics.Color)	4282997615 (0xFF495B6F)
YUV	87.8980, 11.3893, -13.0655
Hunter-Lab	31.7617, -2.7715, -8.6505

Details

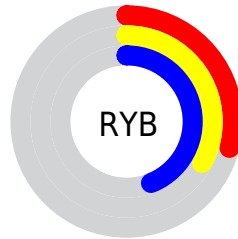
The CIELCh color **38, 13.709, 263.473** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **41, 14.781, 74.089**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 13.841, 264.288**, and **18, 13.718, 264.870** is the 20% darker color. If you saturate the color by 10%, you get **35, 17.639, 265.624**, and if you desaturate by 10%, it is **41, 9.735, 261.642**.

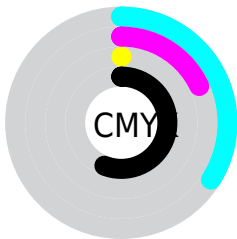
Distribution



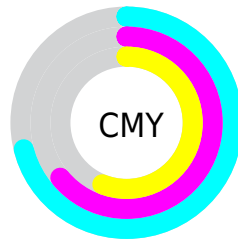
- Red (29%)
- Green (36%)
- Blue (44%)



- Red (29%)
- Yellow (33%)
- Blue (44%)



- Cyan (34%)
- Magenta (18%)
- Yellow (0%)
- Black (56%)



- Cyan (71%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 13.709, 263.473 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, 13.709, 263.473 by changing the saturation by 10% instead.

■ 38, 13.709,
263.473

■ 38, 13.709,
263.473

■ 100, 13.709,
263.473

■ 28, 13.709,
263.473

■ 58, 13.709,
263.473

■ 18, 13.709,
263.473

■ 68, 13.709,
263.473

■ 8, 13.709, 263.473

■ 78, 13.709,
263.473

■ 0, 13.709, 263.473

■ 88, 13.709,
263.473

■ 98, 13.709,
263.473

■ 38, 13.709,
263.473

■ 38, 13.709,
263.473

■ 35, 17.639,
265.624

■ 41, 9.735, 261.642

■ 33, 21.525,
268.147

■ 43, 5.727, 260.095

■ 46, 1.695, 258.853

■ 31, 25.376,
271.081

■ 48, 2.349, 77.476

■ 28, 29.214,
274.440

■ 51, 6.394, 76.546

■ 54, 10.430, 75.698

■ 26, 33.077,
278.196

■ 56, 14.450, 74.950

■ 24, 37.019,
282.212

■ 59, 18.445, 74.288

■ 62, 22.411, 73.700

■ 23, 39.397,
284.354

Harmonies

Complementary

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



38, 13.709, 263.473



41, 14.781, 74.089

Rectangle

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



38, 13.709, 263.473



38, 13.709, 313.473



38, 13.709, 83.473



38, 13.709, 133.473

Sweetspot

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



38, 13.708, 263.471



57, 5.036, 259.563



44, 18.822, 161.480



29, 3.462, 259.706



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, 13.708, 263.471



47, 20.410, 265.148



33, 24.030, 294.775



22, 2.292, 259.401



24, 41.905, 284.751



51, 75.764, 287.400

Inverse Universe

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



36, 19.543, 348.251



44, 29.194, 349.199



46, 22.188, 107.796



22, 3.172, 345.770



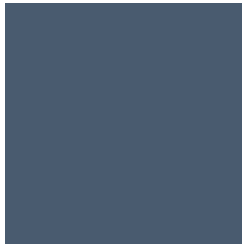
25, 48.440, 2.667



53, 82.517, 5.448

Previews

White Background



This preview shows how the CIELCh color 38, 13.709, 263.473 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, 13.709, 263.473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

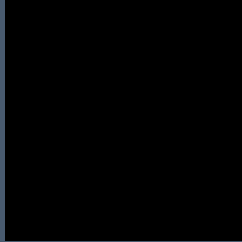
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

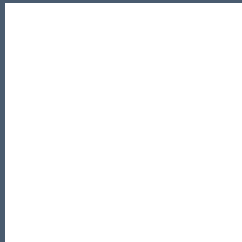
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 13.709, 263.473

Background



This preview shows how black text looks on a background with the CIELCh color 38, 13.709, 263.473.

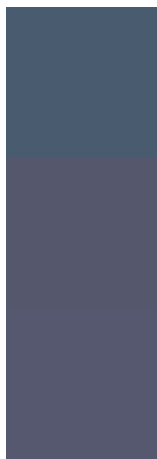


This preview shows how white text looks on a background with the CIELCh color 38, 13.709, 263.473.

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, 13.709, 263.473

Protanopia

38, 12.960, 287.140

Deuteranopia

38, 14.778, 289.556



Tritanopia
38, 9.317, 226.167

Trichromacy



Original Color
38, 13.709, 263.473

Protanomaly
38, 13.183, 279.022

Deuteranomaly
38, 14.373, 280.437

Tritanomaly
38, 10.343, 244.577

Monochromacy



Original Color
38, 13.709, 263.473

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 4.900, 261.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 13.709, 263.473 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(73, 91, 111)` looks like.

```
.text, #text, p{  
    color:rgb(73, 91, 111)  
}
```

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(73, 91, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 91, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 13.709, 263.473 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(73, 91, 111) }
```

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

```
.border{ border-color:rgb(73, 91, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 91, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 91, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 91, 111);  
box-shadow:4px 4px 4px 4px rgb(73, 91,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 13.709, 263.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 91, 111) }
```

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

```
.background{ background-color: rgb(73, 91,  
111) }
```

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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