

Converting Colors

CIELCh(38, 14.799, 291.034)

Have a look what the booklet for
CIELCh(38, 14.799, 291.034)
contains.

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Color

CIELCh(38, 14.770, 291.011)

Conversions

Conversions Part 1

Format	Color
Hex	575870
RGB	87, 88, 112
RGB Percent	34%, 35%, 44%
CMY	0.6603, 0.6564, 0.5623
CMYK	0.22, 0.21, 0.00, 0.56
HSL	238°, 13%, 39%
HSV	238°, 22%, 44%
XYZ	10.2579, 10.0881, 16.6226
YIQ	90.4370, -8.3000, 7.2520

Conversions

Conversions Part 2

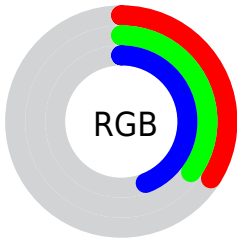
Format	Color
R_{YB}	87, 88, 112
Decimal	5724272
CIE Lab	38.00, 5.30, -13.79
CIE LCh	38, 14.770, 291.011
Yxy	10.0881, 0.2775, 0.2729
Android (android.graphics.Color)	4283914352 (0xFF575870)
YUV	90.4370, 10.6306, -3.0142
Hunter-Lab	31.7617, 2.0660, -8.7964

Details

The CIELCh color **38, 14.770, 291.011** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 14.117, 106.405**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 14.788, 290.474**, and **18, 14.489, 290.575** is the 20% darker color. If you saturate the color by 10%, you get **34, 21.781, 292.424**, and if you desaturate by 10%, it is **42, 8.023, 289.799**.

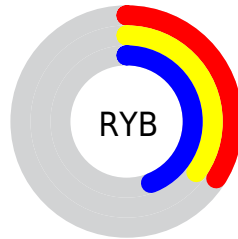
Distribution



 Red (34%)

 Green (35%)

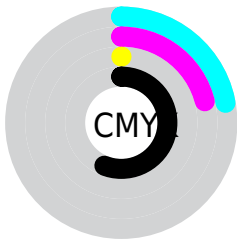
 Blue (44%)




 Red (34%)

 Yellow (35%)

 Blue (44%)

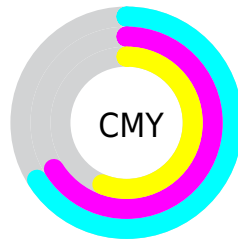


 Cyan (22%)

 Magenta (21%)

 Yellow (0%)

 Black (56%)



 Cyan (66%)

 Magenta (66%)

 Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 14.770, 291.011 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, 14.770, 291.011 by changing the saturation by 10% instead.

■ 38, 14.770,
291.011

■ 38, 14.770,
291.011

■ 100, 14.770,
291.011

■ 28, 14.770,
291.011

■ 58, 14.770,
291.011

■ 18, 14.770,
291.011

■ 68, 14.770,
291.011

■ 8, 14.770, 291.011

■ 78, 14.770,
291.011

■ 0, 14.770, 291.011

■ 88, 14.770,
291.011

■ 98, 14.770,
291.011

■ 38, 14.770,
291.011

■ 38, 14.770,
291.011

■ 34, 21.781,
292.424

■ 42, 8.023, 289.799

■ 46, 1.523, 288.787

■ 30, 29.075,
294.064

■ 50, 4.748, 107.849

■ 26, 36.650,
295.940

■ 54, 10.806,
107.087

■ 22, 44.458,
298.030

■ 58, 16.666,
106.426

■ 18, 52.334,
300.252

■ 62, 22.341,
105.850

■ 15, 59.879,
302.439

■ 66, 27.841,
105.349

■ 13, 66.353,
304.325

■ 70, 33.176,
104.909

■ 11, 70.507,

305.413

 74, 38.358,
104.522

Harmonies

Complementary

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



38, 14.770, 291.011



46, 14.117, 106.405

Rectangle

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



38, 14.770, 291.011



38, 14.770, 341.011



38, 14.770, 111.011



38, 14.770, 161.011

Sweetspot

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



38, 14.769, 291.010



57, 5.580, 289.243



45, 9.692, 193.884



29, 3.656, 289.282



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, 14.769, 291.010



47, 22.345, 291.737



39, 16.035, 308.363



21, 3.637, 289.431



12, 74.362, 305.481



32, 129.174, 305.952

Inverse Universe

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



39, 11.004, 17.800



49, 16.777, 18.371



46, 15.526, 126.298



22, 2.650, 16.594



24, 56.917, 36.196



52, 100.634, 38.871

Previews

White Background



This preview shows how the CIE LCh color 38, 14.770, 291.011 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, 14.770, 291.011 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, 14.770, 291.011

Background



This preview shows how black text looks on a background with the CIELCh color 38, 14.770, 291.011.

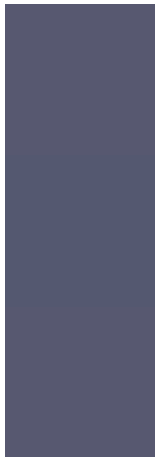


This preview shows how white text looks on a background with the CIELCh color 38, 14.770, 291.011.

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, 14.770, 291.011

Protanopia

38, 14.819, 286.679

Deuteranopia

38, 14.770, 291.011



Tritanopia
38, 4.892, 261.207

Trichromacy



Original Color
38, 14.770, 291.011

Protanomaly
38, 14.794, 288.111

Deuteranomaly
38, 14.770, 291.011

Tritanomaly
38, 8.122, 280.225

Monochromacy



Original Color
38, 14.770, 291.011

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 5.539, 291.059

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 14.770, 291.011 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(87, 88, 112)` looks like.

```
.text, #text, p{  
    color:rgb(87, 88, 112)  
}
```

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(87, 88, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 88, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 14.770, 291.011 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(87, 88, 112) }
```

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

```
.border{ border-color:rgb(87, 88, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 88, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 88, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 88, 112);  
box-shadow:4px 4px 4px 4px rgb(87, 88,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 14.770, 291.011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 88, 112) }
```

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

```
.background{ background-color: rgb(87, 88,  
112) }
```

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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