

Converting Colors

CIELCh(38, 16.067, 286.060)

Have a look what the booklet for
CIELCh(38, 16.067, 286.060)
contains.

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Color

CIELCh(38, 16.067, 286.060)

Conversions

Conversions Part 1

Format	Color
Hex	535872
RGB	83, 88, 114
RGB Percent	33%, 35%, 45%
CMY	0.6736, 0.6540, 0.5520
CMYK	0.27, 0.23, 0.00, 0.55
HSL	230°, 16%, 39%
HSV	230°, 27%, 45%
XYZ	10.1483, 10.0881, 17.4053
YIQ	89.4690, -11.3260, 7.0260

Conversions

Conversions Part 2

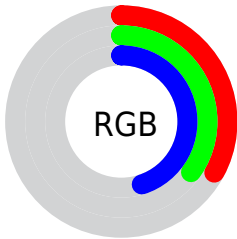
Format	Color
R_{YB}	83, 87, 114
Decimal	5462130
CIE _{Lab}	38.00, 4.44, -15.44
CIE _{LCh}	38, 16.067, 286.060
Yxy	10.0881, 0.2696, 0.2680
Android (android.graphics.Color)	4283652210 (0xFF535872)
YUV	89.4690, 12.0938, -5.6733
Hunter-Lab	31.7617, 1.4500, -10.2574

Details

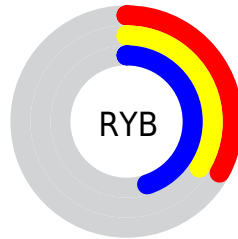
The CIELCh color $38, 16.067, 286.060$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $46, 15.483, 99.746$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 15.990, 285.615$, and $18, 15.958, 285.892$ is the 20% darker color. If you saturate the color by 10%, you get $34, 22.345, 287.708$, and if you desaturate by 10%, it is $42, 9.991, 284.641$.

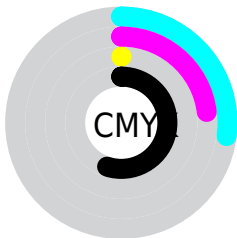
Distribution



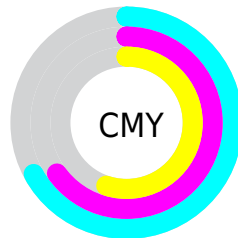
- Red (33%)
- Green (35%)
- Blue (45%)



- Red (33%)
- Yellow (34%)
- Blue (45%)



- Cyan (27%)
- Magenta (23%)
- Yellow (0%)
- Black (55%)





- Cyan (67%)
- Magenta (65%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 16.067, 286.060 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, 16.067, 286.060 by changing the saturation by 10% instead.


 38, 16.067,
286.060


 38, 16.067,
286.060

 100, 16.067,
286.060


 28, 16.067,
286.060

 58, 16.067,
286.060


 18, 16.067,
286.060


 68, 16.067,
286.060

 8, 16.067, 286.060

 78, 16.067,
286.060

 0, 16.067, 286.060

 88, 16.067,
286.060

 98, 16.067,
286.060

■ 38, 16.067,
286.060

■ 38, 16.067,
286.060

■ 34, 22.345,
287.708

■ 42, 9.991, 284.641

■ 31, 28.845,
289.615

■ 45, 4.104, 283.430

■ 49, 1.609, 102.295

■ 27, 35.579,
291.795

■ 53, 7.159, 101.423

■ 23, 42.535,
294.235

■ 57, 12.555,
100.630

■ 20, 49.639,
296.870

■ 60, 17.804, 99.934

■ 64, 22.915, 99.321

■ 17, 56.677,
299.558

■ 67, 27.894, 98.777

■ 14, 63.244,
301.997

■ 71, 32.746, 98.294

■ 14, 64.978,

Harmonies

Complementary

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



38, 16.067, 286.060



46, 15.483, 99.746

Rectangle

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



38, 16.067, 286.060



38, 16.067, 336.060



38, 16.067, 106.060



38, 16.067, 156.060

Sweetspot

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



38, 16.066, 286.059



58, 5.688, 283.548



46, 12.384, 183.565



29, 4.023, 283.689



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, 16.066, 286.059



46, 24.398, 287.136



37, 19.636, 304.651



22, 3.191, 283.637



15, 67.534, 302.694



34, 120.486, 303.982

Inverse Universe

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



39, 13.908, 8.948



47, 21.220, 9.853



47, 18.706, 121.628



22, 2.707, 6.946



24, 53.451, 30.043



52, 94.123, 33.206

Previews

White Background



This preview shows how the CIE LCh color 38, 16.067, 286.060 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, 16.067, 286.060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

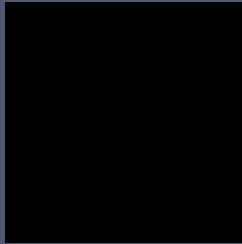
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 16.067, 286.060

Background



This preview shows how black text looks on a background with the CIELCh color 38, 16.067, 286.060.



This preview shows how white text looks on a background with the CIELCh color 38, 16.067, 286.060.

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, 16.067, 286.060

Protanopia

38, 16.067, 286.060

Deuteranopia

38, 16.016, 288.668



Tritanopia
38, 6.049, 244.593

Trichromacy



Original Color
38, 16.067, 286.060

Protanomaly
38, 16.067, 286.060

Deuteranomaly
38, 16.038, 287.358

Tritanomaly
38, 9.196, 269.262

Monochromacy



Original Color
38, 16.067, 286.060

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 6.161, 287.399

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 16.067, 286.060 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(83, 88, 114)` looks like.

```
.text, #text, p{  
    color:rgb(83, 88, 114)  
}
```

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(83, 88, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 88, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 16.067, 286.060 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(83, 88, 114) }
```

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

```
.border{ border-color:rgb(83, 88, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 88, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 88, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 88, 114);  
box-shadow:4px 4px 4px 4px rgb(83, 88,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 16.067, 286.060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 88, 114) }
```

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

```
.background{ background-color: rgb(83, 88,  
114) }
```

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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