

Converting Colors

CIELCh(38, 30.096, 293.422)

Have a look what the booklet for
CIELCh(38, 30.096, 293.422)
contains.

CIELCh(38, 30.150, 293.486)	3
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Color

CIELCh(38, 30.150, 293.486)

Conversions

Conversions Part 1

Format	Color
Hex	535586
RGB	83, 85, 134
RGB Percent	33%, 33%, 53%
CMY	0.6740, 0.6661, 0.4739
CMYK	0.38, 0.37, 0.00, 0.47
HSL	238°, 23%, 43%
HSV	238°, 38%, 53%
XYZ	11.1513, 10.0881, 23.9659
YIQ	89.9880, -16.9210, 14.8150

Conversions

Conversions Part 2

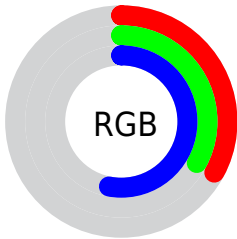
Format	Color
R_{YB}	83, 85, 134
Decimal	5461382
CIE Lab	38.00, 12.02, -27.65
CIE LCh	38, 30.150, 293.486
Yxy	10.0881, 0.2467, 0.2232
Android (android.graphics.Color)	4283651462 (0xFF535586)
YUV	89.9880, 21.6979, -6.1285
Hunter-Lab	31.7617, 7.0870, -22.5043

Details

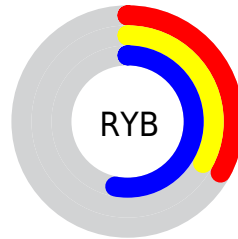
The CIELCh color **38, 30.150, 293.486** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **54, 27.670, 104.903**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 29.598, 292.865**, and **18, 30.275, 293.734** is the 20% darker color. If you saturate the color by 10%, you get **33, 38.856, 295.312**, and if you desaturate by 10%, it is **43, 21.780, 291.904**.

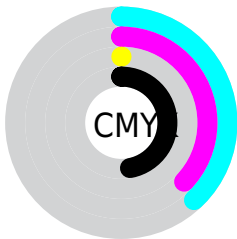
Distribution



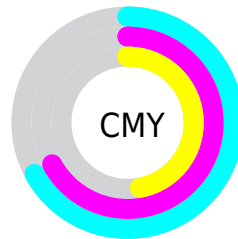
- Red (33%)
- Green (33%)
- Blue (53%)



- Red (33%)
- Yellow (33%)
- Blue (53%)



- Cyan (38%)
- Magenta (37%)
- Yellow (0%)
- Black (47%)





- Cyan (67%)
- Magenta (67%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 30.150, 293.486 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, 30.150, 293.486 by changing the saturation by 10% instead.


 38, 30.150,
293.486


 38, 30.150,
293.486

 100, 30.150,
293.486


 28, 30.150,
293.486

 58, 30.150,
293.486


 18, 30.150,
293.486

 68, 30.150,
293.486

 8, 30.150, 293.486

 78, 30.150,
293.486

 0, 30.150, 293.486

 88, 30.150,
293.486

 98, 30.150,
293.486

■ 38, 30.150,
293.486

■ 38, 30.150,
293.486

■ 33, 38.856,
295.312

■ 43, 21.780,
291.904

■ 29, 47.869,
297.372

■ 47, 13.739,
290.548

■ 24, 57.046,
299.605

■ 52, 6.005, 289.393

■ 20, 66.009,
301.863

■ 57, 1.446, 108.352

■ 62, 8.633, 107.537

■ 17, 73.982,
303.895

■ 66, 15.576,
106.811

■ 15, 79.937,
305.362

■ 71, 22.290,
106.182

■ 15, 80.992,
305.599

■ 75, 28.791,
105.636

■ 80, 35.091,
105.160

Harmonies

Complementary

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



38, 30.150, 293.486



54, 27.670, 104.903

Rectangle

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



38, 30.150, 293.486



38, 30.150, 343.486



38, 30.150, 113.486



38, 30.150, 163.486

Sweetspot

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



38, 30.149, 293.486



64, 10.213, 289.744



52, 18.132, 192.884



33, 6.847, 289.871



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



38, 30.149, 293.486



44, 45.811, 295.116



40, 32.317, 309.269



25, 4.190, 289.511



14, 79.126, 305.574



0, 0.988, 288.577

Inverse Universe

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



41, 22.913, 19.883



49, 35.072, 21.381



53, 30.474, 125.529



26, 3.051, 16.713



26, 60.942, 36.955



0, 0.709, 16.157

Previews

White Background



This preview shows how the CIELCh color 38, 30.150, 293.486 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, 30.150, 293.486 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, 30.150, 293.486

Background



This preview shows how black text looks on a background with the CIELCh color 38, 30.150, 293.486.

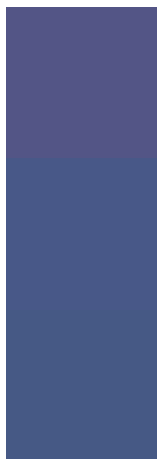


This preview shows how white text looks on a background with the CIELCh color 38, 30.150, 293.486.

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

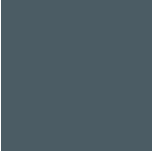
38, 30.150, 293.486

Protanopia

38, 29.702, 284.829

Deuteranopia

38, 27.429, 281.493



Tritanopia
38, 8.094, 236.390

Trichromacy



Original Color
38, 30.150, 293.486

Protanomaly
38, 29.585, 287.759

Deuteranomaly
38, 27.801, 285.616

Tritanomaly
38, 14.087, 273.970

Monochromacy



Original Color
38, 30.150, 293.486

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 11.088, 291.922

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 30.150, 293.486 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, 85, 134)` looks like.

```
.text, #text, p{  
    color:rgb(83, 85, 134)  
}
```

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, 85, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 85, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 30.150, 293.486 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, 85, 134) }
```

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

```
.border{ border-color:rgb(83, 85, 134) }
```

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

Here you see how a box with a 4 pixel rgb(83, 85, 134) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 85, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 85, 134);  
box-shadow:4px 4px 4px 4px rgb(83, 85,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 30.150, 293.486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 85, 134) }
```

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

```
.background{ background-color: rgb(83, 85,  
134) }
```

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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