

Converting Colors

CIELCh(38, 20.839, 290.976)

Have a look what the booklet for
CIELCh(38, 20.839, 290.976)
contains.

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Color

CIELCh(38, 20.935, 290.470)

Conversions

Conversions Part 1

Format	Color
Hex	545779
RGB	84, 87, 121
RGB Percent	33%, 34%, 47%
CMY	0.6705, 0.6587, 0.5254
CMYK	0.31, 0.28, 0.00, 0.53
HSL	235°, 18%, 40%
HSV	235°, 31%, 47%
XYZ	10.5219, 10.0881, 19.4909
YIQ	89.9790, -12.7020, 9.9380

Conversions

Conversions Part 2

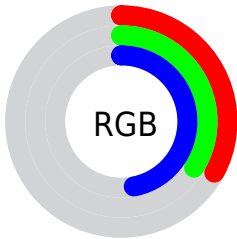
Format	Color
R_{YB}	84, 87, 121
Decimal	5527417
CIE _{Lab}	38.00, 7.32, -19.61
CIE _{LCh}	38, 20.935, 290.470
Yxy	10.0881, 0.2624, 0.2516
Android (android.graphics.Color)	4283717497 (0xFF545779)
YUV	89.9790, 15.2934, -5.2436
Hunter-Lab	31.7617, 3.5501, -14.1508

Details

The CIELCh color **38, 20.935, 290.470** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **49, 19.749, 103.658**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 20.493, 289.590**, and **18, 20.714, 290.225** is the 20% darker color. If you saturate the color by 10%, you get **34, 28.314, 292.130**, and if you desaturate by 10%, it is **42, 13.831, 289.041**.

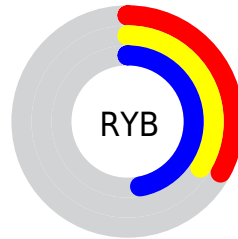
Distribution



Red (33%)

Green (34%)

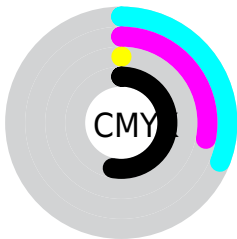
Blue (47%)



Red (33%)

Yellow (34%)

Blue (47%)

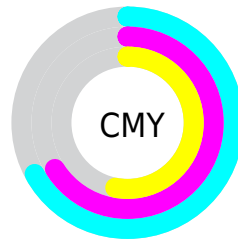


Cyan (31%)

Magenta (28%)

Yellow (0%)

Black (53%)



Cyan (67%)


Magenta (66%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 20.935, 290.470 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, 20.935, 290.470 by changing the saturation by 10% instead.


 38, 20.935,
290.470


 38, 20.935,
290.470

 100, 20.935,
290.470


 28, 20.935,
290.470

 58, 20.935,
290.470


 18, 20.935,
290.470


 68, 20.935,
290.470

 8, 20.935, 290.470

 78, 20.935,
290.470

 0, 20.935, 290.470

 88, 20.935,
290.470

 98, 20.935,
290.470

■ 38, 20.935,
290.470

■ 38, 20.935,
290.470

■ 34, 28.314,
292.130

■ 42, 13.831,
289.041

■ 30, 35.982,
294.041

■ 46, 6.985, 287.820

■ 51, 0.377, 286.938

■ 26, 43.917,
296.196

■ 55, 6.010, 105.843

■ 22, 52.020,
298.537

■ 59, 12.192,
105.068

■ 18, 60.008,
300.930

■ 63, 18.180,
104.392

■ 15, 67.293,
303.147

■ 67, 23.988,
103.803

■ 13, 72.817,
304.691

■ 71, 29.625,
103.286

■ 75, 35.100,
102.831

Harmonies

Complementary

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



38, 20.935, 290.470



49, 19.749, 103.658

Rectangle

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



38, 20.935, 290.470



38, 20.935, 340.470



38, 20.935, 110.470



38, 20.935, 160.470

Sweetspot

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



38, 20.934, 290.470



60, 7.384, 287.670



48, 13.947, 190.369



30, 5.113, 287.803



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



38, 20.934, 290.470



46, 31.971, 291.667



39, 23.556, 307.706



23, 3.747, 287.654



14, 74.652, 304.748



33, 129.174, 305.523

Inverse Universe

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



40, 16.481, 15.588



49, 25.343, 16.620



49, 22.439, 124.654



24, 2.864, 13.306



25, 57.809, 34.891



53, 100.431, 37.518

Previews

White Background



This preview shows how the CIE LCh color 38, 20.935, 290.470 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, 20.935, 290.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

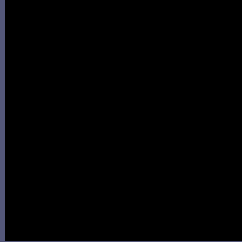
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 20.935, 290.470

Background



This preview shows how black text looks on a background with the CIELCh color 38, 20.935, 290.470.



This preview shows how white text looks on a background with the CIELCh color 38, 20.935, 290.470.

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, 20.935, 290.470

Protanopia

38, 21.016, 285.707

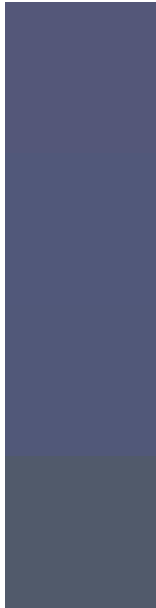
Deuteranopia

38, 20.412, 285.348



Tritanopia
38, 6.727, 246.242

Trichromacy



Original Color
38, 20.935, 290.470

Protanomaly
38, 20.982, 286.635

Deuteranomaly
38, 20.377, 286.309

Tritanomaly
38, 10.905, 273.451

Monochromacy



Original Color
38, 20.935, 290.470

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 7.387, 288.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 20.935, 290.470 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(84, 87, 121)` looks like.

```
.text, #text, p{  
    color:rgb(84, 87, 121)  
}
```

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(84, 87, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 87, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 20.935, 290.470 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(84, 87, 121) }
```

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

```
.border{ border-color:rgb(84, 87, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 87, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 87, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 87, 121);  
box-shadow:4px 4px 4px 4px rgb(84, 87,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 20.935, 290.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 87, 121) }
```

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

```
.background{ background-color: rgb(84, 87,  
121) }
```

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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