

Converting Colors

CIELCh(38, 33.508, 295.183)

Have a look what the booklet for
CIELCh(38, 33.508, 295.183)
contains.

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Color

CIELCh(38, 33.835, 295.252)

Conversions

Conversions Part 1

Format	Color
Hex	54548B
RGB	84, 84, 139
RGB Percent	33%, 33%, 55%
CMY	0.6706, 0.6706, 0.4549
CMYK	0.40, 0.40, 0.00, 0.45
HSL	240°, 25%, 44%
HSV	240°, 40%, 55%
XYZ	11.4851, 10.0881, 25.7652
YIQ	90.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

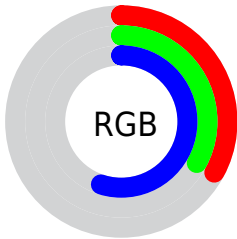
Format	Color
R_{YB}	84, 84, 139
Decimal	5526667
CIE _{Lab}	38.00, 14.43, -30.60
CIE _{LCh}	38, 33.835, 295.252
Yxy	10.0881, 0.2426, 0.2131
Android (android.graphics.Color)	4283716747 (0xFF54548B)
YUV	90.2700, 24.0239, -5.4988
Hunter-Lab	31.7617, 8.9631, -25.8631

Details

The CIELCh color $[38, 33.835, 295.252]$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $[57, 30.672, 106.495]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[58, 34.217, 295.631]$, and $[18, 34.317, 295.573]$ is the 20% darker color. If you saturate the color by 10%, you get $[33, 43.267, 297.077]$, and if you desaturate by 10%, it is $[43, 24.763, 293.662]$.

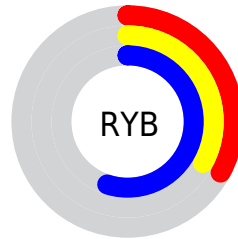
Distribution



Red (33%)

Green (33%)

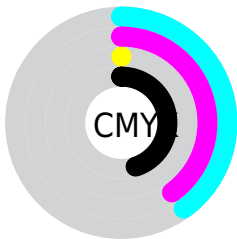
Blue (55%)



Red (33%)

Yellow (33%)

Blue (55%)

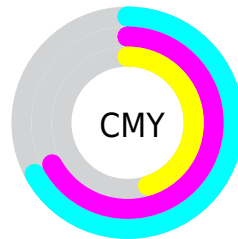


Cyan (40%)

Magenta (40%)

Yellow (0%)

Black (45%)



Cyan (67%)


Magenta (67%)


Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.835, 295.252 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, 33.835, 295.252 by changing the saturation by 10% instead.


 38, 33.835,
295.252


 38, 33.835,
295.252

 100, 33.835,
295.252


 28, 33.835,
295.252

 58, 33.835,
295.252


 18, 33.835,
295.252


 68, 33.835,
295.252

 8, 33.835, 295.252

 78, 33.835,
295.252

 0, 33.835, 295.252

 88, 33.835,
295.252

 98, 33.835,
295.252

■ 38, 33.835,
295.252

■ 38, 33.835,
295.252

■ 33, 43.267,
297.077

■ 43, 24.763,
293.662

■ 28, 52.981,
299.110

■ 48, 16.058,
292.298

■ 24, 62.724,
301.257

■ 53, 7.701, 291.137

■ 20, 71.890,
303.321

■ 58, 0.333, 109.991

■ 63, 8.067, 109.287

■ 17, 79.387,
305.003

■ 68, 15.525,
108.567

■ 15, 84.953,
306.232

■ 73, 22.725,
107.947

■ 15, 85.206,
306.287

■ 78, 29.685,
107.412

■ 82, 36.419,
106.948

Harmonies

Complementary

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



38, 33.835, 295.252



57, 30.672, 106.495

Rectangle

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



38, 33.835, 295.252



38, 33.835, 345.252



38, 33.835, 115.252



38, 33.835, 165.252

Sweetspot

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



38, 33.834, 295.252



66, 12.045, 291.431



54, 18.990, 197.581



34, 8.069, 291.556



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



38, 33.834, 295.252



44, 50.746, 296.780



41, 34.896, 310.981



26, 4.503, 291.092



14, 82.345, 306.287



0, 2.057, 290.178

Inverse Universe

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



44, 38.298, 326.491



54, 55.752, 326.883



55, 33.029, 127.273



27, 5.441, 324.905



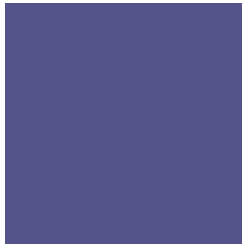
31, 71.115, 328.233



0, 2.512, 324.439

Previews

White Background



This preview shows how the CIE LCh color 38, 33.835, 295.252 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, 33.835, 295.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

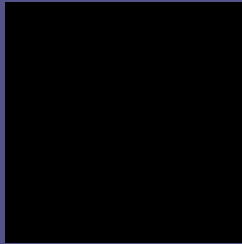
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 33.835, 295.252

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.835, 295.252.

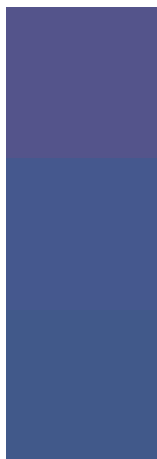


This preview shows how white text looks on a background with the CIELCh color 38, 33.835, 295.252.

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

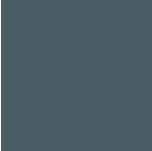
38, 33.835, 295.252

Protanopia

38, 33.369, 285.247

Deuteranopia

38, 30.604, 280.941



Tritanopia
38, 8.384, 234.848

Trichromacy



Original Color
38, 33.835, 295.252

Protanomaly
38, 33.233, 288.193

Deuteranomaly
38, 31.504, 286.376

Tritanomaly
38, 15.770, 277.841

Monochromacy



Original Color
38, 33.835, 295.252

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 12.317, 292.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.835, 295.252 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, 84, 139)` looks like.

```
.text, #text, p{  
    color:rgb(84, 84, 139)  
}
```

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, 84, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 84, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.835, 295.252 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, 84, 139) }
```

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

```
.border{ border-color:rgb(84, 84, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 84, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 84, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 84, 139);  
box-shadow:4px 4px 4px 4px rgb(84, 84,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.835, 295.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 84, 139) }
```

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

```
.background{ background-color: rgb(84, 84,  
139) }
```

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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