

Converting Colors

CIELCh(38, 33.056, 295.996)

Have a look what the booklet for
CIELCh(38, 33.056, 295.996)
contains.

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Color

CIELCh(38, 33.233, 295.725)

Conversions

Conversions Part 1

Format	Color
Hex	55548A
RGB	85, 84, 138
RGB Percent	33%, 33%, 54%
CMY	0.6670, 0.6709, 0.4592
CMYK	0.38, 0.39, 0.00, 0.46
HSL	241°, 24%, 43%
HSV	241°, 39%, 54%
XYZ	11.4838, 10.0881, 25.3535
YIQ	90.4550, -16.7380, 17.0060

Conversions

Conversions Part 2

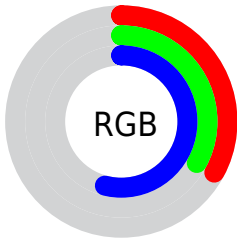
Format	Color
R_{YB}	85, 84, 138
Decimal	5592202
CIE _{Lab}	38.00, 14.42, -29.94
CIE _{LCh}	38, 33.233, 295.725
Yxy	10.0881, 0.2447, 0.2150
Android (android.graphics.Color)	4283782282 (0xFF55548A)
YUV	90.4550, 23.4397, -4.7840
Hunter-Lab	31.7617, 8.9559, -25.0945

Details

The CIELCh color $38, 33.233, 295.725$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $56, 30.171, 107.369$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $58, 33.667, 296.161$, and $18, 33.643, 295.838$ is the 20% darker color. If you saturate the color by 10%, you get $33, 42.580, 297.465$, and if you desaturate by 10%, it is $43, 24.238, 294.206$.

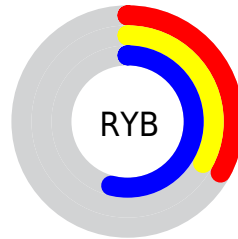
Distribution



Red (33%)

Green (33%)

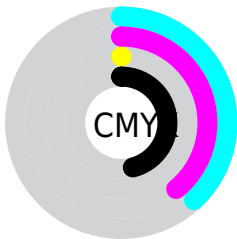
Blue (54%)



Red (33%)

Yellow (33%)

Blue (54%)

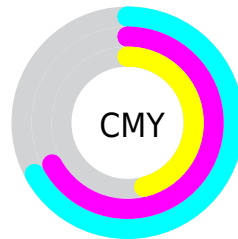


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (46%)



Cyan (67%)


Magenta (67%)


Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 33.233, 295.725 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, 33.233, 295.725 by changing the saturation by 10% instead.


 38, 33.233,
295.725


 38, 33.233,
295.725

 100, 33.233,
295.725


 28, 33.233,
295.725

 58, 33.233,
295.725


 18, 33.233,
295.725


 68, 33.233,
295.725

 8, 33.233, 295.725

 78, 33.233,
295.725

 0, 33.233, 295.725

 88, 33.233,
295.725

 98, 33.233,
295.725

■ 38, 33.233,
295.725

■ 38, 33.233,
295.725

■ 33, 42.580,
297.465

■ 43, 24.238,
294.206

■ 28, 52.206,
299.402

■ 48, 15.603,
292.901

■ 24, 61.867,
301.450

■ 53, 7.312, 291.787

■ 20, 70.992,
303.425

■ 58, 0.660, 110.762

■ 63, 8.335, 110.009

■ 17, 78.544,
305.047

■ 68, 15.736,
109.315

■ 15, 84.121,
306.255

■ 72, 22.881,
108.717

■ 15, 84.616,
306.364

■ 77, 29.787,
108.201

■ 82, 36.471,
107.754

Harmonies

Complementary

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



38, 33.233, 295.725



56, 30.171, 107.369

Rectangle

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



38, 33.233, 295.725



38, 33.233, 345.725



38, 33.233, 115.725



38, 33.233, 165.725

Sweetspot

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



38, 33.232, 295.725



65, 11.909, 292.114



54, 18.377, 199.264



33, 7.885, 292.230



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



38, 33.232, 295.725



44, 50.151, 297.256



41, 34.367, 311.495



26, 4.504, 291.787



14, 82.236, 306.368



0, 2.057, 290.903

Inverse Universe

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



44, 37.210, 326.989



53, 54.448, 327.414



54, 32.623, 127.884



27, 5.373, 325.400



31, 70.125, 328.957



0, 2.480, 324.931

Previews

White Background



This preview shows how the CIELCh color 38, 33.233, 295.725 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, 33.233, 295.725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

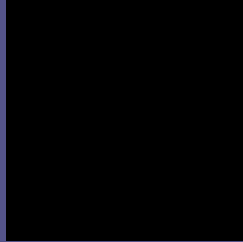
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 33.233, 295.725

Background



This preview shows how black text looks on a background with the CIELCh color 38, 33.233, 295.725.



This preview shows how white text looks on a background with the CIELCh color 38, 33.233, 295.725.

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

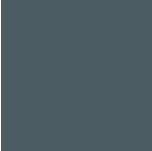
38, 33.233, 295.725

Protanopia

38, 32.778, 284.930

Deuteranopia

38, 29.972, 281.012



Tritanopia
38, 7.478, 234.088

Trichromacy



Original Color
38, 33.233, 295.725

Protanomaly
38, 32.608, 288.456

Deuteranomaly
38, 30.874, 286.617

Tritanomaly
38, 15.106, 278.393

Monochromacy



Original Color
38, 33.233, 295.725

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 11.703, 292.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 33.233, 295.725 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(85, 84, 138)` looks like.

```
.text, #text, p{  
    color:rgb(85, 84, 138)  
}
```

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(85, 84, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 84, 138) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 33.233, 295.725 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(85, 84, 138) }
```

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

```
.border{ border-color:rgb(85, 84, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 84, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 84, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 84, 138);  
box-shadow:4px 4px 4px 4px rgb(85, 84,  
138) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 33.233, 295.725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 84, 138) }
```

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

```
.background{ background-color: rgb(85, 84,  
138) }
```

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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