

Converting Colors

CIELCh(38, 43.445, 283.370)

Have a look what the booklet for
CIELCh(38, 43.445, 283.370)
contains.

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Color

CIELCh(38, 43.436, 283.453)

Conversions

Conversions Part 1

Format	Color
Hex	30589E
RGB	48, 88, 158
RGB Percent	19%, 35%, 62%
CMY	0.8115, 0.6547, 0.3802
CMYK	0.70, 0.44, 0.00, 0.38
HSL	218°, 53%, 40%
HSV	218°, 70%, 62%
XYZ	10.8922, 10.0881, 33.7460
YIQ	84.0200, -46.3100, 13.2900

Conversions

Conversions Part 2

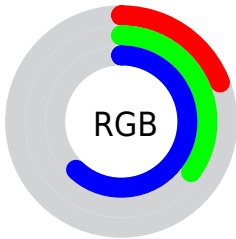
Format	Color
R _Y B	48, 77, 158
Decimal	3168414
CIE Lab	38.00, 10.11, -42.24
CIE LCh	38, 43.436, 283.453
Yxy	10.0881, 0.1990, 0.1843
Android (android.graphics.Color)	4281358494 (0xFF30589E)
YUV	84.0200, 36.4721, -31.5895
Hunter-Lab	31.7617, 5.6312, -40.7609

Details

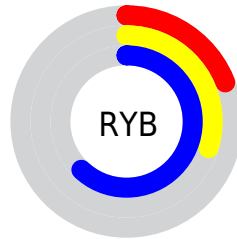
The CIELCh color **38, 43.436, 283.453** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **52, 44.085, 79.193**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 43.592, 283.762**, and **19, 42.949, 289.789** is the 20% darker color. If you saturate the color by 10%, you get **34, 50.143, 286.920**, and if you desaturate by 10%, it is **42, 36.895, 280.324**.

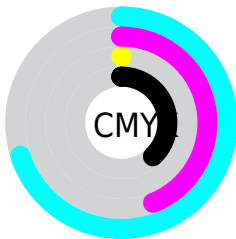
Distribution



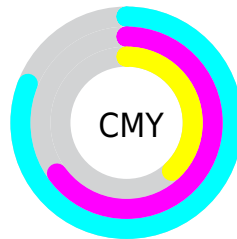
- Red (19%)
- Green (35%)
- Blue (62%)



- Red (19%)
- Yellow (30%)
- Blue (62%)



- Cyan (70%)
- Magenta (44%)
- Yellow (0%)
- Black (38%)





- Cyan (81%)
- Magenta (65%)
- Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 43.436, 283.453 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, 43.436, 283.453 by changing the saturation by 10% instead.


 38, 43.436,
283.453

 38, 43.436,
283.453

 100, 43.436,
283.453


 28, 43.436,
283.453

 58, 43.436,
283.453

 18, 43.436,
283.453


 68, 43.436,
283.453

 8, 43.436, 283.453

 78, 43.436,
283.453

 0, 43.436, 283.453

 88, 43.436,
283.453

 98, 43.436,
283.453

■ 38, 43.436,
283.453

■ 38, 43.436,
283.453

■ 34, 50.143,
286.920

■ 42, 36.895,
280.324

■ 31, 57.020,
290.608

■ 46, 30.491,
277.571

■ 28, 64.012,
294.220

■ 49, 24.192,
275.188

■ 28, 64.306,
294.357

■ 53, 17.976,
273.145

■ 57, 11.833,
271.400

■ 61, 5.760, 269.918

■ 65, 0.241, 87.674

■ 69, 6.169, 87.435

Harmonies

Complementary

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



38, 43.436, 283.453



52, 44.085, 79.193

Rectangle

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



38, 43.436, 283.453



38, 43.436, 333.453



38, 43.436, 103.453



38, 43.436, 153.453

Sweetspot

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



38, 43.436, 283.454



73, 15.795, 271.698



58, 42.463, 163.218



37, 10.791, 272.136



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



38, 43.436, 283.454



43, 66.217, 289.137



28, 69.246, 303.696



31, 3.399, 269.873



25, 59.150, 294.009



1, 4.514, 270.207

Inverse Universe

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



38, 48.543, 2.375



46, 67.920, 7.889



62, 56.649, 110.707



31, 3.948, 352.495



30, 55.353, 13.952



1, 5.030, 352.932

Previews

White Background



This preview shows how the CIELCh color 38, 43.436, 283.453 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, 43.436, 283.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

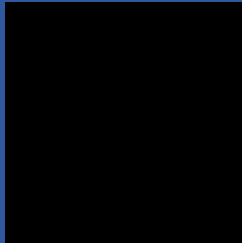
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 43.436, 283.453

Background



This preview shows how black text looks on a background with the CIELCh color 38, 43.436, 283.453.



This preview shows how white text looks on a background with the CIELCh color 38, 43.436, 283.453.

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, 43.436, 283.453

Protanopia

38, 43.191, 286.111

Deuteranopia

38, 42.312, 277.794



Tritanopia
38, 24.175, 208.561

Trichromacy



Original Color
38, 43.436, 283.453

Protanomaly
38, 43.283, 285.306

Deuteranomaly
38, 42.684, 279.696

Tritanomaly
37, 25.980, 245.763

Monochromacy



Original Color
38, 43.436, 283.453

Achromatopsia
36, 0.005, 296.813

Achromatomaly
36, 16.720, 275.273

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 43.436, 283.453 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(48, 88, 158)` looks like.

```
.text, #text, p{  
    color:rgb(48, 88, 158)  
}
```

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(48, 88, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 88, 158) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 43.436, 283.453 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(48, 88, 158) }
```

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

```
.border{ border-color:rgb(48, 88, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 88, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 88, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 88, 158);  
box-shadow:4px 4px 4px 4px rgb(48, 88,  
158) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 43.436, 283.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 88, 158) }
```

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

```
.background{ background-color: rgb(48, 88,  
158) }
```

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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