

Converting Colors

CIELCh(38, 29.868, 283.301)

Have a look what the booklet for
CIELCh(38, 29.868, 283.301)
contains.

CIELCh(38, 29.829, 283.187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(38, 29.829, 283.187)

Conversions

Conversions Part 1

Format	Color
Hex	455888
RGB	69, 88, 136
RGB Percent	27%, 35%, 53%
CMY	0.7282, 0.6538, 0.4655
CMYK	0.49, 0.35, 0.00, 0.47
HSL	223°, 33%, 40%
HSV	223°, 49%, 53%
XYZ	10.4542, 10.0881, 24.8031
YIQ	87.7910, -26.7320, 10.9000

Conversions

Conversions Part 2

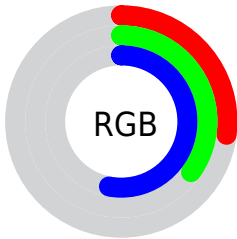
Format	Color
R _Y B	69, 84, 136
Decimal	4544648
CIE Lab	38.00, 6.80, -29.04
CIE LCh	38, 29.829, 283.187
Yxy	10.0881, 0.2305, 0.2225
Android (android.graphics.Color)	4282734728 (0xFF455888)
YUV	87.7910, 23.7670, -16.4797
Hunter-Lab	31.7617, 3.1693, -24.0672

Details

The CIELCh color **38, 29.829, 283.187** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **50, 29.092, 88.836**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 29.856, 283.020**, and **18, 29.970, 283.430** is the 20% darker color. If you saturate the color by 10%, you get **34, 36.350, 285.714**, and if you desaturate by 10%, it is **42, 23.483, 280.988**.

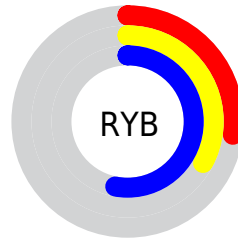
Distribution



Red (27%)

Green (35%)

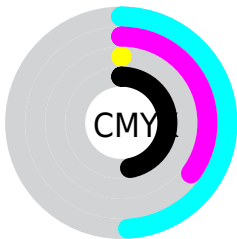
Blue (53%)



Red (27%)

Yellow (33%)

Blue (53%)

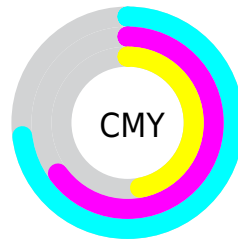


Cyan (49%)

Magenta (35%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (65%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 29.829, 283.187 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, 29.829, 283.187 by changing the saturation by 10% instead.

■ 38, 29.829,
283.187

■ 38, 29.829,
283.187

■ 100, 29.829,
283.187

■ 28, 29.829,
283.187

■ 58, 29.829,
283.187

■ 18, 29.829,
283.187

■ 68, 29.829,
283.187

■ 8, 29.829, 283.187

■ 78, 29.829,
283.187

■ 0, 29.829, 283.187

■ 88, 29.829,
283.187

■ 98, 29.829,
283.187

■ 38, 29.829,
283.187

■ 38, 29.829,
283.187

■ 34, 36.350,
285.714

■ 42, 23.483,
280.988

■ 31, 43.067,
288.565

■ 46, 17.293,
279.091

■ 27, 49.975,
291.690

■ 49, 11.243,
277.462

■ 24, 57.001,
294.967

■ 53, 5.321, 276.072

■ 57, 0.478, 94.502

■ 21, 63.970,
298.082

■ 61, 6.161, 93.750

■ 21, 64.550,
298.316

■ 65, 11.728, 92.843

■ 69, 17.183, 92.041

■ 72, 22.528, 91.331

Harmonies

Complementary

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



38, 29.829, 283.187



50, 29.092, 88.836

Rectangle

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



38, 29.829, 283.187



38, 29.829, 333.187



38, 29.829, 103.187



38, 29.829, 153.187

Sweetspot

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



38, 29.828, 283.187



65, 10.803, 276.902



52, 26.439, 172.080



33, 7.442, 277.166



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, 29.828, 283.187



44, 44.723, 286.015



34, 42.248, 302.922



27, 3.307, 276.073



20, 63.104, 298.225



0, 1.523, 274.929

Inverse Universe

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



38, 30.789, 3.418



45, 45.334, 5.846



54, 37.656, 115.543



27, 3.372, 357.908



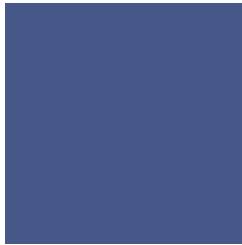
27, 53.893, 20.878



0, 1.537, 357.129

Previews

White Background



This preview shows how the CIE LCh color 38, 29.829, 283.187 looks on a white background.

Color Contrast Check

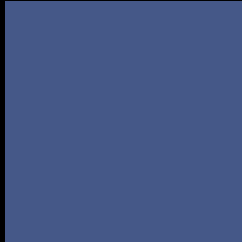
Large Text (above 18pt) WCAG AA ✓ Pass

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, 29.829, 283.187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

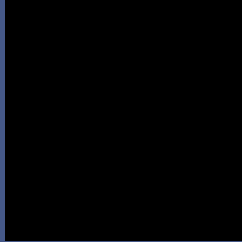
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 38, 29.829, 283.187

Background



This preview shows how black text looks on a background with the CIELCh color 38, 29.829, 283.187.



This preview shows how white text looks on a background with the CIELCh color 38, 29.829, 283.187.

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, 29.829, 283.187

Protanopia

38, 29.702, 284.829

Deuteranopia

38, 29.391, 280.574



Tritanopia
38, 13.658, 219.223

Trichromacy



Original Color
38, 29.829, 283.187

Protanomaly
38, 29.742, 284.274

Deuteranomaly
38, 29.338, 281.101

Tritanomaly
38, 16.594, 253.772

Monochromacy



Original Color
38, 29.829, 283.187

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 11.349, 278.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 29.829, 283.187 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(69, 88, 136)` looks like.

```
.text, #text, p{  
    color:rgb(69, 88, 136)  
}
```

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(69, 88, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 88, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 29.829, 283.187 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(69, 88, 136) }
```

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

```
.border{ border-color:rgb(69, 88, 136) }
```

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

Here you see how a box with a 4 pixel rgb(69, 88, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 88, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 88, 136);  
box-shadow:4px 4px 4px 4px rgb(69, 88,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 29.829, 283.187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 88, 136) }
```

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

```
.background{ background-color: rgb(69, 88,  
136) }
```

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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