

Converting Colors

CIELCh(38, 29.108, 284.488)

Have a look what the booklet for
CIELCh(38, 29.108, 284.488)
contains.

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Color

CIELCh(38, 29.108, 284.488)

Conversions

Conversions Part 1

Format	Color
Hex	485887
RGB	72, 88, 135
RGB Percent	28%, 35%, 53%
CMY	0.7180, 0.6552, 0.4709
CMYK	0.47, 0.35, 0.00, 0.47
HSL	225°, 30%, 41%
HSV	225°, 47%, 53%
XYZ	10.5168, 10.0881, 24.2829
YIQ	88.5740, -24.6230, 11.2250

Conversions

Conversions Part 2

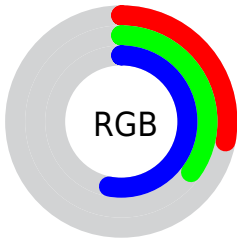
Format	Color
R_{YB}	72, 85, 135
Decimal	4741255
CIE _{Lab}	38.00, 7.28, -28.18
CIE _{LCh}	38, 29.108, 284.488
Yxy	10.0881, 0.2343, 0.2247
Android (android.graphics.Color)	4282931335 (0xFF485887)
YUV	88.5740, 22.8880, -14.5354
Hunter-Lab	31.7617, 3.5212, -23.0960

Details

The CIELCh color **38, 29.108, 284.488** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **50, 28.048, 91.331**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 29.177, 284.517**, and **18, 29.181, 284.443** is the 20% darker color. If you saturate the color by 10%, you get **34, 35.838, 286.878**, and if you desaturate by 10%, it is **42, 22.574, 282.412**.

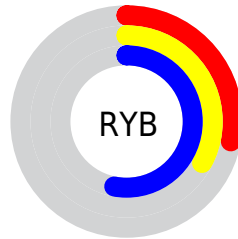
Distribution



Red (28%)

Green (35%)

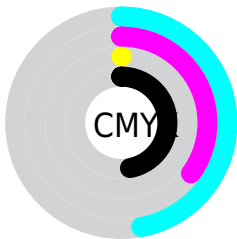
Blue (53%)



Red (28%)

Yellow (33%)

Blue (53%)

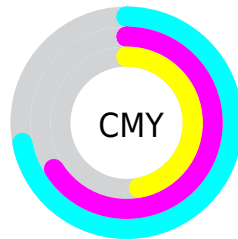


Cyan (47%)

Magenta (35%)

Yellow (0%)

Black (47%)



Cyan (72%)

Magenta (66%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 38, 29.108, 284.488 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, 29.108, 284.488 by changing the saturation by 10% instead.

 38, 29.108,
284.488

 38, 29.108,
284.488

 100, 29.108,
284.488

 28, 29.108,
284.488

 58, 29.108,
284.488

 18, 29.108,
284.488

 68, 29.108,
284.488

 8, 29.108, 284.488

 78, 29.108,
284.488

 0, 29.108, 284.488

 88, 29.108,
284.488

 98, 29.108,
284.488

■ 38, 29.108,
284.488

■ 38, 29.108,
284.488

■ 34, 35.838,
286.878

■ 42, 22.574,
282.412

■ 30, 42.783,
289.581

■ 46, 16.218,
280.622

■ 27, 49.931,
292.554

■ 50, 10.022,
279.086

■ 24, 57.195,
295.686

■ 54, 3.975, 277.780

■ 58, 1.932, 96.524

■ 21, 64.356,
298.741

■ 61, 7.706, 95.582

■ 20, 66.659,
299.624

■ 65, 13.351, 94.720

■ 69, 18.871, 93.959

■ 73, 24.269, 93.285

Harmonies

Complementary

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



38, 29.108, 284.488



50, 28.048, 91.331

Rectangle

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



38, 29.108, 284.488



38, 29.108, 334.488



38, 29.108, 104.488



38, 29.108, 154.488

Sweetspot

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



38, 29.107, 284.488



65, 10.414, 278.754



52, 24.754, 173.619



33, 7.261, 279.019



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, 29.107, 284.488



45, 44.011, 287.022



35, 39.663, 303.139



26, 3.311, 278.074



19, 64.684, 299.510



0, 0.786, 276.962

Inverse Universe

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



39, 28.805, 5.106



46, 42.992, 7.333



54, 35.680, 116.405



26, 3.224, 359.989



26, 53.873, 23.285



0, 0.757, 359.220

Previews

White Background



This preview shows how the CIE LCh color 38, 29.108, 284.488 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, 29.108, 284.488 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

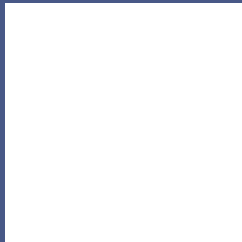
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 38, 29.108, 284.488

Background



This preview shows how black text looks on a background with the CIELCh color 38, 29.108, 284.488.

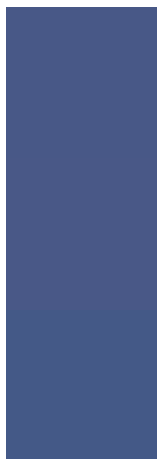


This preview shows how white text looks on a background with the CIELCh color 38, 29.108, 284.488.

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, 29.108, 284.488

Protanopia

38, 29.069, 285.064

Deuteranopia

38, 28.703, 281.210



Tritanopia
38, 12.666, 218.034

Trichromacy



Original Color
38, 29.108, 284.488

Protanomaly
38, 29.069, 285.064

Deuteranomaly
38, 28.652, 281.766

Tritanomaly
38, 15.944, 257.465

Monochromacy



Original Color
38, 29.108, 284.488

Achromatopsia
37, 0.005, 296.813

Achromatomaly
37, 10.677, 279.318

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 29.108, 284.488 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(72, 88, 135)` looks like.

```
.text, #text, p{  
    color:rgb(72, 88, 135)  
}
```

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(72, 88, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 88, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 29.108, 284.488 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(72, 88, 135) }
```

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

```
.border{ border-color:rgb(72, 88, 135) }
```

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

Here you see how a box with a 4 pixel rgb(72, 88, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 88, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 88, 135);  
box-shadow:4px 4px 4px 4px rgb(72, 88,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 29.108, 284.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 88, 135) }
```

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

```
.background{ background-color: rgb(72, 88,  
135) }
```

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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