

Converting Colors

CIELCh(38, 73.365, 296.159)

Have a look what the booklet for
CIELCh(38, 73.365, 296.159)
contains.

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Color

CIELCh(38, 73.472, 296.261)

Conversions

Conversions Part 1

Format	Color
Hex	324DC6
RGB	50, 77, 198
RGB Percent	20%, 30%, 78%
CMY	0.8032, 0.6976, 0.2230
CMYK	0.75, 0.61, 0.00, 0.22
HSL	229°, 60%, 49%
HSV	229°, 75%, 78%
XYZ	14.1931, 10.0881, 54.7013
YIQ	82.7210, -54.9330, 31.9070

Conversions

Conversions Part 2

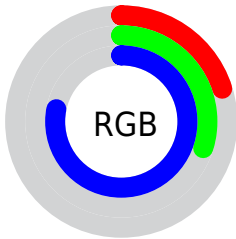
Format	Color
R_{YB}	50, 73, 198
Decimal	3296710
CIE _{Lab}	38.00, 32.51, -65.89
CIE _{LCh}	38, 73.472, 296.261
Yxy	10.0881, 0.1797, 0.1277
Android (android.graphics.Color)	4281486790 (0xFF324DC6)
YUV	82.7210, 56.8325, -28.6963
Hunter-Lab	31.7617, 24.1822, -79.8786

Details

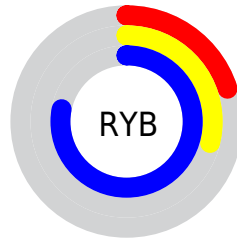
The CIELCh color **38, 73.472, 296.261** is a dark color, and the websafe version is hex **333399**. The color can be described as dark muted blue. A complement of this color would be **70, 62.039, 92.652**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **58, 72.926, 296.085**, and **21, 71.408, 300.477** is the 20% darker color. If you saturate the color by 10%, you get **33, 84.269, 299.171**, and if you desaturate by 10%, it is **43, 62.608, 293.421**.

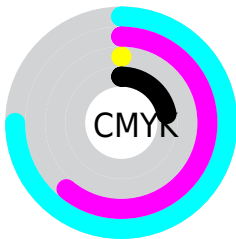
Distribution



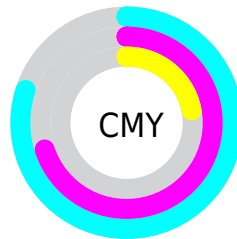
- Red (20%)
- Green (30%)
- Blue (78%)



- Red (20%)
- Yellow (29%)
- Blue (78%)



- Cyan (75%)
- Magenta (61%)
- Yellow (0%)
- Black (22%)





- Cyan (80%)
- Magenta (70%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 38, 73.472, 296.261 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, 73.472, 296.261 by changing the saturation by 10% instead.


 38, 73.472,
296.261


 38, 73.472,
296.261

 100, 73.472,
296.261


 28, 73.472,
296.261

 58, 73.472,
296.261


 18, 73.472,
296.261


 68, 73.472,
296.261

 8, 73.472, 296.261

 78, 73.472,
296.261

 0, 73.472, 296.261

 88, 73.472,
296.261

 98, 73.472,
296.261

■ 38, 73.472,
296.261

■ 38, 73.472,
296.261

■ 33, 84.269,
299.171

■ 43, 62.608,
293.421

■ 29, 94.299,
301.896

■ 49, 51.998,
290.805

■ 28, 99.014,
303.121

■ 54, 41.745,
288.485

■ 60, 31.855,
286.473

■ 66, 22.303,
284.746

■ 72, 13.059,
283.272

■ 77, 4.099, 282.031

■ 83, 4.599, 100.877

Harmonies

Complementary

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



38, 73.472, 296.261



70, 62.039, 92.652

Rectangle

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



38, 73.472, 296.261



38, 73.472, 346.261



38, 73.472, 116.261



38, 73.472, 166.261

Sweetspot

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



38, 73.472, 296.262



84, 24.326, 284.380



72, 44.359, 176.565



43, 16.416, 284.812



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



38, 73.472, 296.262



40, 110.182, 301.030



36, 88.030, 308.083



39, 5.027, 282.586



22, 84.754, 302.775



2, 18.800, 286.590

Inverse Universe

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



45, 62.369, 18.988



54, 88.526, 26.668



74, 73.750, 119.156



39, 4.396, 5.435



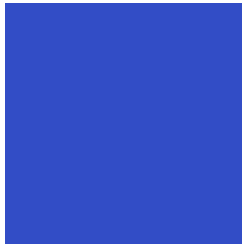
34, 67.013, 30.234



3, 16.134, 10.064

Previews

White Background



This preview shows how the CIE LCh color 38, 73.472, 296.261 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, 73.472, 296.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

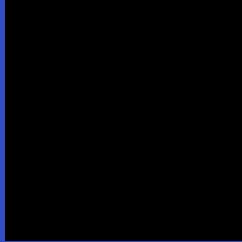
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 38, 73.472, 296.261

Background



This preview shows how black text looks on a background with the CIELCh color 38, 73.472, 296.261.

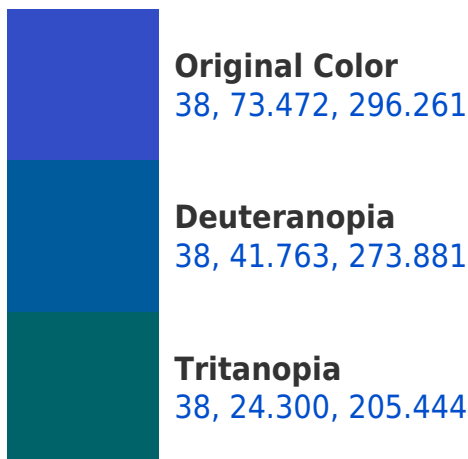


This preview shows how white text looks on a background with the CIELCh color 38, 73.472, 296.261.

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



Trichromacy



Original Color
38, 73.472, 296.261

Deuteranomaly
37, 52.743, 284.495

Tritanomaly
37, 32.723, 264.680

Monochromacy



Original Color
38, 73.472, 296.261

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 27.462, 287.659

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 38, 73.472, 296.261 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(50, 77, 198)` looks like.

```
.text, #text, p{  
    color:rgb(50, 77, 198)  
}
```

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(50, 77, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 77, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 38, 73.472, 296.261 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(50, 77, 198) }
```

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

```
.border{ border-color:rgb(50, 77, 198) }
```

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

Here you see how a box with a 4 pixel rgb(50, 77, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 77, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 77, 198);  
box-shadow:4px 4px 4px 4px rgb(50, 77,  
198) }
```

Background

The CSS property to change the background color of an element to CIELCh 38, 73.472, 296.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 77, 198) }
```

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

```
.background{ background-color: rgb(50, 77,  
198) }
```

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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