

Converting Colors

CIELCh(30, 72.520, 301.707)

Have a look what the booklet for
CIELCh(30, 72.520, 301.707)
contains.

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Color

CIELCh(30, 72.520, 301.707)

Conversions

Conversions Part 1

Format	Color
Hex	3835A9
RGB	56, 53, 169
RGB Percent	22%, 21%, 66%
CMY	0.7809, 0.7925, 0.3377
CMYK	0.67, 0.69, 0.00, 0.34
HSL	242°, 52%, 43%
HSV	242°, 69%, 66%
XYZ	10.0443, 6.2359, 38.1582
YIQ	67.1210, -35.4480, 36.7120

Conversions

Conversions Part 2

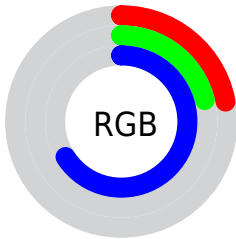
Format	Color
R_{YB}	56, 53, 169
Decimal	3683753
CIE _{Lab}	30.00, 38.11, -61.70
CIE _{LCh}	30, 72.520, 301.707
Yxy	6.2359, 0.1845, 0.1145
Android (android.graphics.Color)	4281873833 (0xFF3835A9)
YUV	67.1210, 50.2263, -9.7531
Hunter-Lab	24.9718, 28.0966, -73.1179

Details

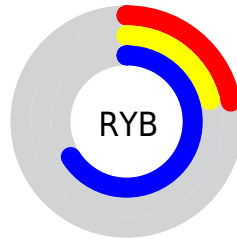
The CIELCh color **30, 72.520, 301.707** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **67, 58.710, 105.376**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 72.097, 301.609**, and **12, 70.189, 304.508** is the 20% darker color. If you saturate the color by 10%, you get **25, 83.177, 303.662**, and if you desaturate by 10%, it is **35, 61.150, 299.661**.

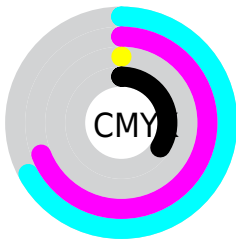
Distribution



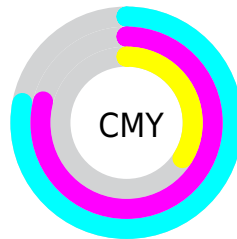
- Red (22%)
- Green (21%)
- Blue (66%)



- Red (22%)
- Yellow (21%)
- Blue (66%)



- Cyan (67%)
- Magenta (69%)
- Yellow (0%)
- Black (34%)





- Cyan (78%)
- Magenta (79%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 72.520, 301.707 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 30, 72.520, 301.707 by changing the saturation by 10% instead.


 30, 72.520,
301.707


 30, 72.520,
301.707

 100, 72.520,
301.707


 20, 72.520,
301.707


 50, 72.520,
301.707


 10, 72.520,
301.707

 60, 72.520,
301.707

 0, 72.520, 301.707

 70, 72.520,
301.707

 80, 72.520,
301.707

 90, 72.520,
301.707

■ 30, 72.520,
301.707

■ 30, 72.520,
301.707

■ 25, 83.177,
303.662

■ 35, 61.150,
299.661

■ 22, 91.823,
305.227

■ 41, 49.791,
297.717

■ 20, 97.446,
306.238

■ 47, 38.754,
295.970

■ 20, 98.148,
306.371

■ 52, 28.136,
294.445

■ 58, 17.950,
293.137

■ 64, 8.175, 292.024

■ 70, 1.219, 111.027

■ 76, 10.257,
110.252

■ 81, 18.968,
109.561

Harmonies

Complementary

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



30, 72.520, 301.707



67, 58.710, 105.376

Rectangle

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



30, 72.520, 301.707



30, 72.520, 351.707



30, 72.520, 121.707



30, 72.520, 171.707

Sweetspot

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



30, 72.520, 301.708



72, 25.106, 293.471



63, 31.985, 198.722



36, 17.059, 293.809



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



30, 72.520, 301.708



32, 106.523, 304.482



36, 70.932, 312.837



33, 5.326, 292.086



16, 89.006, 306.386



0, 9.562, 291.044

Inverse Universe

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



44, 70.721, 328.519



53, 95.963, 328.954



63, 64.345, 126.890



33, 6.319, 325.612



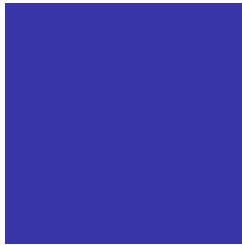
35, 75.494, 329.255



2, 11.390, 325.412

Previews

White Background



This preview shows how the CIE LCh color 30, 72.520, 301.707 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 72.520, 301.707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

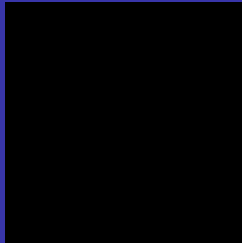
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 72.520, 301.707

Background



This preview shows how black text looks on a background with the CIELCh color 30, 72.520, 301.707.



This preview shows how white text looks on a background with the CIELCh color 30, 72.520, 301.707.

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

30, 72.520, 301.707

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 20.537, 207.574

Trichromacy



Original Color
30, 72.520, 301.707

Protanomaly
29, 57.337, 292.179

Deuteranomaly
29, 47.568, 287.386

Tritanomaly
28, 31.071, 273.222

Monochromacy



Original Color
30, 72.520, 301.707

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 27.195, 295.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 72.520, 301.707 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(56, 53, 169)` looks like.

```
.text, #text, p{  
    color:rgb(56, 53, 169)  
}
```

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(56, 53, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 53, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 72.520, 301.707 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(56, 53, 169) }
```

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

```
.border{ border-color:rgb(56, 53, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 53, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 53, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 53, 169);  
box-shadow:4px 4px 4px 4px rgb(56, 53,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 72.520, 301.707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 53, 169) }
```

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

```
.background{ background-color: rgb(56, 53,  
169) }
```

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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