

Converting Colors

CIELCh(30, 72.757, 304.334)

Have a look what the booklet for
CIELCh(30, 72.757, 304.334)
contains.

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Color

CIELCh(30, 72.913, 304.419)

Conversions

Conversions Part 1

Format	Color
Hex	4431A6
RGB	68, 49, 166
RGB Percent	27%, 19%, 65%
CMY	0.7316, 0.8066, 0.3475
CMYK	0.59, 0.70, 0.00, 0.35
HSL	250°, 54%, 42%
HSV	250°, 70%, 65%
XYZ	10.4445, 6.2359, 36.9149
YIQ	68.0190, -26.2330, 40.4150

Conversions

Conversions Part 2

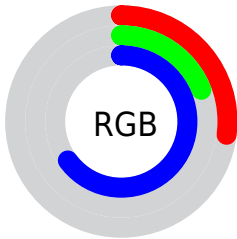
Format	Color
R _Y B	68, 49, 166
Decimal	4469158
CIE Lab	30.00, 41.21, -60.15
CIE LCh	30, 72.913, 304.419
Yxy	6.2359, 0.1949, 0.1164
Android (android.graphics.Color)	4282659238 (0xFF4431A6)
YUV	68.0190, 48.3046, -0.0167
Hunter-Lab	24.9718, 30.9571, -70.1661

Details

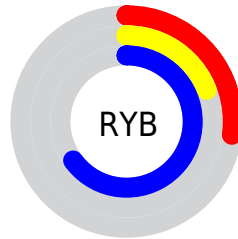
The CIELCh color **30, 72.913, 304.419** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **65, 59.724, 112.124**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 72.920, 304.385**, and **11, 71.909, 305.716** is the 20% darker color. If you saturate the color by 10%, you get **26, 82.848, 305.658**, and if you desaturate by 10%, it is **35, 62.077, 303.037**.

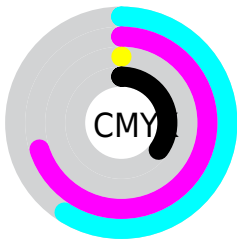
Distribution



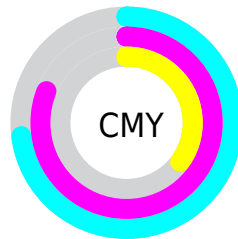
- Red (27%)
- Green (19%)
- Blue (65%)



- Red (27%)
- Yellow (19%)
- Blue (65%)



- Cyan (59%)
- Magenta (70%)
- Yellow (0%)
- Black (35%)





- Cyan (73%)
- Magenta (81%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 72.913, 304.419 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, 72.913, 304.419 by changing the saturation by 10% instead.


 30, 72.913,
304.419

 30, 72.913,
304.419


 100, 72.913,
304.419


 20, 72.913,
304.419


 50, 72.913,
304.419


 10, 72.913,
304.419

 60, 72.913,
304.419

 0, 72.913, 304.419

 70, 72.913,
304.419

 80, 72.913,
304.419

 90, 72.913,
304.419

■ 30, 72.913,
304.419

■ 30, 72.913,
304.419

■ 26, 82.848,
305.658

■ 35, 62.077,
303.037

■ 22, 90.749,
306.526

■ 40, 51.051,
301.664

■ 20, 96.080,
307.022

■ 46, 40.195,
300.386

■ 51, 29.665,
299.239

■ 57, 19.511,
298.231

■ 62, 9.739, 297.355

■ 68, 0.335, 296.604

■ 74, 8.721, 115.946

■ 79, 17.451,
115.386

Harmonies

Complementary

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



30, 72.913, 304.419



65, 59.724, 112.124

Rectangle

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



30, 72.913, 304.419



30, 72.913, 354.419



30, 72.913, 124.419



30, 72.913, 174.419

Sweetspot

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



30, 72.913, 304.420



72, 25.013, 298.329



57, 28.517, 217.973



36, 17.153, 298.586



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, 72.913, 304.420



32, 106.290, 306.170



37, 71.402, 316.736



33, 5.362, 297.269



17, 88.042, 307.080



1, 9.616, 295.688

Inverse Universe

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



42, 64.720, 333.728



51, 87.098, 334.799



62, 67.387, 131.026



33, 5.743, 329.800



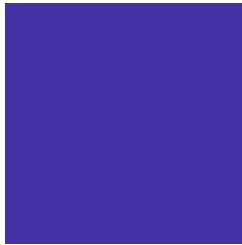
33, 67.927, 335.843



2, 10.029, 331.115

Previews

White Background



This preview shows how the CIE LCh color 30, 72.913, 304.419 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, 72.913, 304.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

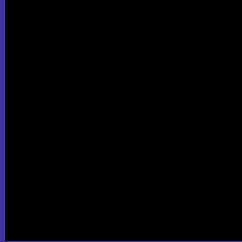
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 72.913, 304.419

Background



This preview shows how black text looks on a background with the CIELCh color 30, 72.913, 304.419.



This preview shows how white text looks on a background with the CIELCh color 30, 72.913, 304.419.

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, 72.913, 304.419

Deuteranopia
30, 34.375, 272.006

Tritanopia
30, 15.688, 211.631

Trichromacy



Original Color
30, 72.913, 304.419

Deuteranomaly
29, 48.226, 288.972

Tritanomaly
29, 29.948, 282.946

Monochromacy



Original Color
30, 72.913, 304.419

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 27.977, 300.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 72.913, 304.419 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(68, 49, 166)` looks like.

```
.text, #text, p{  
    color:rgb(68, 49, 166)  
}
```

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(68, 49, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 49, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 72.913, 304.419 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(68, 49, 166) }
```

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

```
.border{ border-color:rgb(68, 49, 166) }
```

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

Here you see how a box with a 4 pixel rgb(68, 49, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 49, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 49, 166);  
box-shadow:4px 4px 4px 4px rgb(68, 49,  
166) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 72.913, 304.419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 49, 166) }
```

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

```
.background{ background-color: rgb(68, 49,  
166) }
```

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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