

Converting Colors

CIELCh(32, 70.255, 299.511)

Have a look what the booklet for
CIELCh(32, 70.255, 299.511)
contains.

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Color

CIELCh(32, 69.711, 299.306)

Conversions

Conversions Part 1

Format	Color
Hex	353DAD
RGB	53, 61, 173
RGB Percent	21%, 24%, 68%
CMY	0.7929, 0.7613, 0.3222
CMYK	0.69, 0.65, 0.00, 0.32
HSL	236°, 53%, 44%
HSV	236°, 69%, 68%
XYZ	10.6458, 7.0852, 40.2588
YIQ	71.3760, -40.7200, 33.1360

Conversions

Conversions Part 2

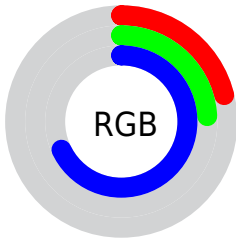
Format	Color
R_{YB}	53, 61, 173
Decimal	3489197
CIE _{Lab}	32.00, 34.12, -60.79
CIE _{LCh}	32, 69.711, 299.306
Yxy	7.0852, 0.1836, 0.1222
Android (android.graphics.Color)	4281679277 (0xFF353DAD)
YUV	71.3760, 50.1006, -16.1158
Hunter-Lab	26.6180, 24.8092, -71.0415

Details

The CIELCh color **32, 69.711, 299.306** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **66, 57.236, 100.495**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 69.291, 299.219**, and **14, 67.251, 302.721** is the 20% darker color. If you saturate the color by 10%, you get **27, 80.401, 301.707**, and if you desaturate by 10%, it is **37, 58.713, 296.917**.

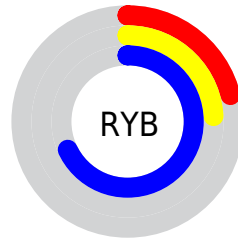
Distribution



Red (21%)

Green (24%)

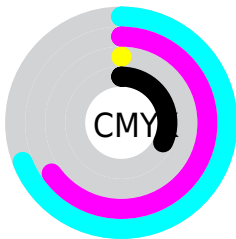
Blue (68%)



Red (21%)

Yellow (24%)

Blue (68%)

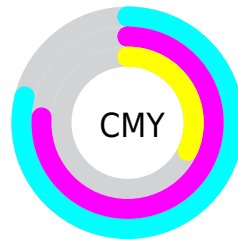


Cyan (69%)

Magenta (65%)

Yellow (0%)

Black (32%)



Cyan (79%)


Magenta (76%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 69.711, 299.306 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 32, 69.711, 299.306 by changing the saturation by 10% instead.


 32, 69.711,
299.306


 32, 69.711,
299.306


 100, 69.711,
299.306


 22, 69.711,
299.306


 52, 69.711,
299.306


 12, 69.711,
299.306


 62, 69.711,
299.306

 2, 69.711, 299.306

 72, 69.711,
299.306

 0, 69.711, 299.306

 82, 69.711,
299.306

 92, 69.711,
299.306

■ 32, 69.711,
299.306

■ 32, 69.711,
299.306

■ 27, 80.401,
301.707

■ 37, 58.713,
296.917

■ 24, 89.795,
303.842

■ 43, 47.898,
294.705

■ 21, 96.570,
305.355

■ 48, 37.449,
292.743

■ 21, 96.850,
305.409

■ 54, 27.405,
291.044

■ 60, 17.755,
289.590

■ 65, 8.472, 288.354

■ 71, 0.473, 107.113

■ 77, 9.106, 106.372

■ 82, 17.447,
105.599

Harmonies

Complementary

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



32, 69.711, 299.306



66, 57.236, 100.495

Rectangle

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



32, 69.711, 299.306



32, 69.711, 349.306



32, 69.711, 119.306



32, 69.711, 169.306

Sweetspot

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



32, 69.711, 299.307



75, 23.789, 289.851



64, 35.129, 187.295



37, 16.163, 290.227



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



32, 69.711, 299.307



34, 103.717, 302.828



35, 73.262, 310.160



34, 5.086, 288.338



18, 86.976, 305.257



1, 10.728, 287.893

Inverse Universe

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



41, 54.394, 25.404



49, 80.018, 31.143



65, 64.309, 123.236



34, 3.827, 14.471



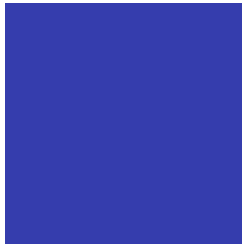
31, 67.579, 36.696



2, 7.835, 14.852

Previews

White Background



This preview shows how the CIE LCh color 32, 69.711, 299.306 looks on a white background.

Color Contrast Check

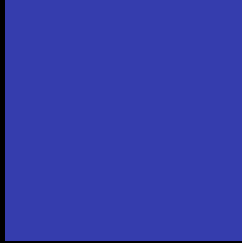
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 32, 69.711, 299.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

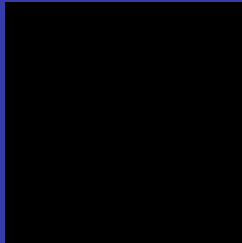
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 69.711, 299.306

Background



This preview shows how black text looks on a background with the CIELCh color 32, 69.711, 299.306.



This preview shows how white text looks on a background with the CIELCh color 32, 69.711, 299.306.

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

32, 69.711, 299.306

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 35.985, 272.432

Trichromacy



Original Color
32, 69.711, 299.306

Protanomaly
31, 58.084, 291.174

Deuteranomaly
31, 47.845, 285.967

Monochromacy



Original Color
32, 69.711, 299.306

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 26.260, 292.617

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 69.711, 299.306 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(53, 61, 173)` looks like.

```
.text, #text, p{  
    color:rgb(53, 61, 173)  
}
```

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(53, 61, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 61, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 69.711, 299.306 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(53, 61, 173) }
```

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

```
.border{ border-color:rgb(53, 61, 173) }
```

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

Here you see how a box with a 4 pixel rgb(53, 61, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 61, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 61, 173);  
box-shadow:4px 4px 4px 4px rgb(53, 61,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 69.711, 299.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 61, 173) }
```

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

```
.background{ background-color: rgb(53, 61,  
173) }
```

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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