

Converting Colors

CIELCh(32, 82.454, 302.620)

Have a look what the booklet for
CIELCh(32, 82.454, 302.620)
contains.

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Color

CIELCh(32, 82.311, 302.699)

Conversions

Conversions Part 1

Format	Color
Hex	3B35BB
RGB	59, 53, 187
RGB Percent	23%, 21%, 73%
CMY	0.7679, 0.7917, 0.2661
CMYK	0.68, 0.72, 0.00, 0.27
HSL	243°, 56%, 47%
HSV	243°, 72%, 73%
XYZ	12.0763, 7.0852, 47.8206
YIQ	70.0700, -39.4380, 42.9460

Conversions

Conversions Part 2

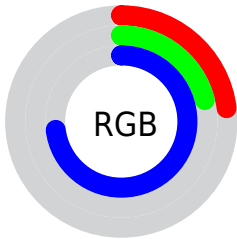
Format	Color
R _Y B	59, 53, 187
Decimal	3880379
CIE Lab	32.00, 44.47, -69.27
CIE LCh	32, 82.311, 302.699
Yxy	7.0852, 0.1803, 0.1058
Android (android.graphics.Color)	4282070459 (0xFF3B35BB)
YUV	70.0700, 57.6465, -9.7084
Hunter-Lab	26.6180, 34.4020, -87.8851

Details

The CIELCh color **32, 82.311, 302.699** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **73, 65.744, 106.187**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 82.284, 302.777**, and **15, 78.928, 305.203** is the 20% darker color. If you saturate the color by 10%, you get **27, 93.276, 304.467**, and if you desaturate by 10%, it is **37, 70.146, 300.747**.

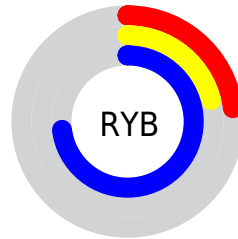
Distribution



Red (23%)

Green (21%)

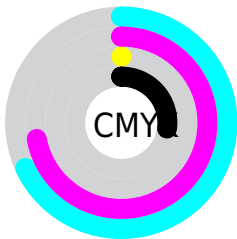
Blue (73%)



Red (23%)

Yellow (21%)

Blue (73%)

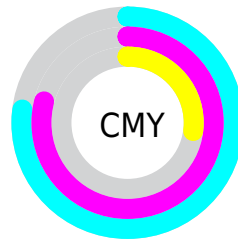


Cyan (68%)

Magenta (72%)

Yellow (0%)

Black (27%)



Cyan (77%)


Magenta (79%)


Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 82.311, 302.699 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, 82.311, 302.699 by changing the saturation by 10% instead.

 32, 82.311,
302.699


 32, 82.311,
302.699

 100, 82.311,
302.699

 22, 82.311,
302.699

 52, 82.311,
302.699


 12, 82.311,
302.699


 62, 82.311,
302.699

 2, 82.311, 302.699

 72, 82.311,
302.699

 0, 82.311, 302.699

 82, 82.311,
302.699

 92, 82.311,
302.699

■ 32, 82.311,
302.699

■ 32, 82.311,
302.699

■ 27, 93.276,
304.467

■ 37, 70.146,
300.747

■ 24, 101.472,
305.739

■ 43, 57.772,
298.834

■ 22, 105.821,
306.419

■ 50, 45.656,
297.085

■ 56, 33.969,
295.545

■ 62, 22.748,
294.214

■ 69, 11.983,
293.078

■ 75, 1.645, 292.131

■ 81, 8.296, 111.272

■ 87, 17.869,
110.569

Harmonies

Complementary

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



32, 82.311, 302.699



73, 65.744, 106.187

Rectangle

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



32, 82.311, 302.699



32, 82.311, 352.699



32, 82.311, 122.699



32, 82.311, 172.699

Sweetspot

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



32, 82.312, 302.700



79, 27.236, 294.180



68, 34.708, 200.858



40, 18.691, 294.527



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



32, 82.312, 302.700



34, 119.495, 305.281



39, 79.886, 313.383



36, 5.859, 292.846



18, 93.369, 306.449



1, 17.449, 291.902

Inverse Universe

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



48, 77.790, 329.308



58, 104.085, 329.811



69, 72.529, 127.444



37, 6.854, 326.171



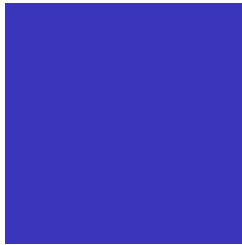
37, 78.061, 330.096



3, 20.558, 327.063

Previews

White Background



This preview shows how the CIE LCh color 32, 82.311, 302.699 looks on a white background.

Color Contrast Check

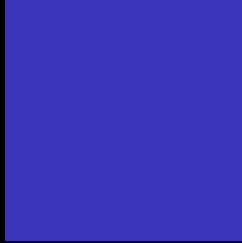
Large Text (above 18pt) WCAG AA ✓ Pass

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, 82.311, 302.699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

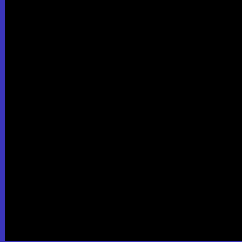
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 82.311, 302.699

Background



This preview shows how black text looks on a background with the CIELCh color 32, 82.311, 302.699.



This preview shows how white text looks on a background with the CIELCh color 32, 82.311, 302.699.

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, 82.311, 302.699

Protanopia

32, 51.504, 286.135

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 82.311, 302.699

Protanomaly
31, 63.000, 293.630

Deuteranomaly
31, 52.740, 289.421

Tritanomaly
30, 34.936, 276.704

Monochromacy



Original Color
32, 82.311, 302.699

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 31.479, 296.930

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 82.311, 302.699 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(59, 53, 187)` looks like.

```
.text, #text, p{  
    color:rgb(59, 53, 187)  
}
```

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(59, 53, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 53, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 82.311, 302.699 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(59, 53, 187) }
```

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

```
.border{ border-color:rgb(59, 53, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 53, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 53, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 53, 187);  
box-shadow:4px 4px 4px 4px rgb(59, 53,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 82.311, 302.699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 53, 187) }
```

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

```
.background{ background-color: rgb(59, 53,  
187) }
```

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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