

Converting Colors

CIELCh(32, 101.502, 303.853)

Have a look what the booklet for
CIELCh(32, 101.502, 303.853)
contains.

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Color

CIELCh(32, 101.791, 303.909)

Conversions

Conversions Part 1

Format	Color
Hex	2C2BD5
RGB	44, 43, 213
RGB Percent	17%, 17%, 84%
CMY	0.8265, 0.8310, 0.1643
CMYK	0.79, 0.80, 0.00, 0.16
HSL	240°, 67%, 50%
HSV	240°, 80%, 84%
XYZ	13.9404, 7.0852, 63.6606
YIQ	62.6790, -53.9740, 53.0820

Conversions

Conversions Part 2

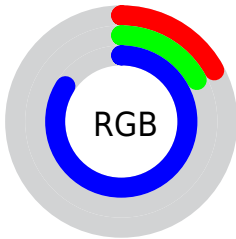
Format	Color
RYB	44, 43, 213
Decimal	2894805
CIELab	32.00, 56.79, -84.48
CIELCh	32, 101.791, 303.909
Yxy	7.0852, 0.1646, 0.0837
Android (android.graphics.Color)	4281084885 (0xFF2C2BD5)
YUV	62.6790, 74.1083, -16.3815
Hunter-Lab	26.6180, 46.9030, -123.1678

Details

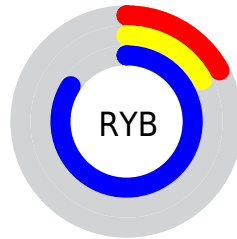
The CIELCh color **32, 101.791, 303.909** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **83, 78.024, 103.755**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 92.894, 303.800**, and **18, 93.137, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 111.332, 305.435**, and if you desaturate by 10%, it is **37, 89.278, 301.887**.

Distribution



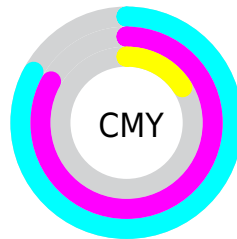
- Red (17%)
- Green (17%)
- Blue (84%)



- Red (17%)
- Yellow (17%)
- Blue (84%)



- Cyan (79%)
- Magenta (80%)
- Yellow (0%)
- Black (16%)





- Cyan (83%)
- Magenta (83%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 101.791, 303.909 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, 101.791, 303.909 by changing the saturation by 10% instead.


 32, 101.791,
303.909


 32, 101.791,
303.909


 100, 101.791,
303.909


 22, 101.791,
303.909


 52, 101.791,
303.909


 12, 101.791,
303.909


 62, 101.791,
303.909

 2, 101.791,
303.909

 72, 101.791,
303.909

 0, 101.791,
303.909

 82, 101.791,
303.909

 92, 101.791,
303.909

■ 32, 101.791,
303.909

■ 32, 101.791,
303.909

■ 28, 111.332,
305.435

■ 37, 89.278,
301.887

■ 26, 116.734,
306.287

■ 43, 75.583,
299.704

■ 26, 116.840,
306.304

■ 50, 61.782,
297.604

■ 57, 48.344,
295.708

■ 64, 35.422,
294.056

■ 71, 23.037,
292.643

■ 78, 11.162,
291.445

■ 85, 0.237, 110.147

■ 92, 11.198,
109.550

Harmonies

Complementary

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



32, 101.791, 303.909



83, 78.024, 103.755

Rectangle

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



32, 101.791, 303.909



32, 101.791, 353.909



32, 101.791, 123.909



32, 101.791, 173.909

Sweetspot

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



32, 101.792, 303.910



80, 32.637, 293.246



78, 41.701, 196.522



40, 22.592, 293.765



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



32, 101.792, 303.910



33, 132.066, 306.061



40, 96.843, 312.569



41, 6.501, 291.406



20, 99.088, 306.309



2, 27.582, 294.209

Inverse Universe

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



53, 93.917, 328.235



60, 114.313, 328.475



78, 85.915, 126.492



42, 7.812, 325.115



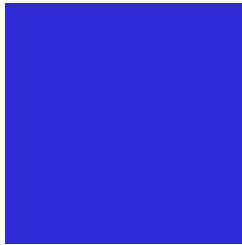
40, 85.162, 328.498



6, 32.793, 328.258

Previews

White Background



This preview shows how the CIE LCh color 32, 101.791, 303.909 looks on a white background.

Color Contrast Check

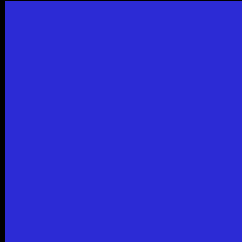
Large Text (above 18pt) WCAG AA ✓ Pass

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 32, 101.791, 303.909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

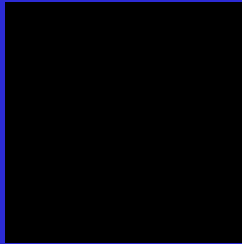
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 101.791, 303.909

Background



This preview shows how black text looks on a background with the CIELCh color 32, 101.791, 303.909.



This preview shows how white text looks on a background with the CIELCh color 32, 101.791, 303.909.

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, 101.791, 303.909

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 34.918, 271.109



Tritanopia
32, 21.519, 205.172

Trichromacy



Original Color
32, 101.791, 303.909

Protanomaly
31, 70.959, 296.039

Deuteranomaly
30, 60.146, 292.327

Tritanomaly
29, 42.170, 283.097

Monochromacy



Original Color
32, 101.791, 303.909

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 40.271, 297.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 101.791, 303.909 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(44, 43, 213)` looks like.

```
.text, #text, p{  
    color:rgb(44, 43, 213)  
}
```

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(44, 43, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 43, 213) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 101.791, 303.909 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(44, 43, 213) }
```

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

```
.border{ border-color:rgb(44, 43, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 43, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 43, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 43, 213);  
box-shadow:4px 4px 4px 4px rgb(44, 43,  
213) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 101.791, 303.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 43, 213) }
```

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

```
.background{ background-color: rgb(44, 43,  
213) }
```

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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