

Converting Colors

CIELCh(32, 89.749, 303.972)

Have a look what the booklet for
CIELCh(32, 89.749, 303.972)
contains.

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Color

CIELCh(32, 89.850, 304.039)

Conversions

Conversions Part 1

Format	Color
Hex	3D30C4
RGB	61, 48, 196
RGB Percent	24%, 19%, 77%
CMY	0.7610, 0.8119, 0.2315
CMYK	0.69, 0.76, 0.00, 0.23
HSL	245°, 61%, 48%
HSV	245°, 76%, 77%
XYZ	12.9358, 7.0852, 52.8858
YIQ	68.7590, -39.7600, 48.7840

Conversions

Conversions Part 2

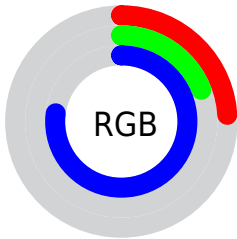
Format	Color
R_{YB}	61, 48, 196
Decimal	4010180
CIE _{Lab}	32.00, 50.29, -74.45
CIE _{LCh}	32, 89.850, 304.039
Yxy	7.0852, 0.1774, 0.0972
Android (android.graphics.Color)	4282200260 (0xFF3D30C4)
YUV	68.7590, 62.7298, -6.8046
Hunter-Lab	26.6180, 40.1662, -99.1675

Details

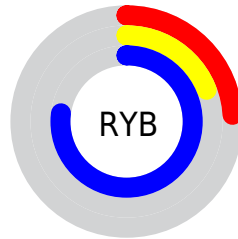
The CIELCh color **32, 89.850, 304.039** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **76, 70.890, 108.195**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 89.905, 303.965**, and **15, 86.098, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **28, 100.176, 305.441**, and if you desaturate by 10%, it is **37, 77.694, 302.343**.

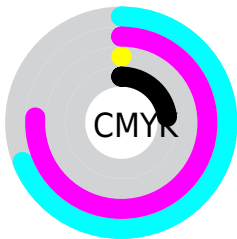
Distribution



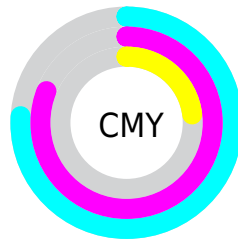
- Red (24%)
- Green (19%)
- Blue (77%)



- Red (24%)
- Yellow (19%)
- Blue (77%)



- Cyan (69%)
- Magenta (76%)
- Yellow (0%)
- Black (23%)





- Cyan (76%)
- Magenta (81%)
- Yellow (23%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 89.850, 304.039 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, 89.850, 304.039 by changing the saturation by 10% instead.


 32, 89.850,
304.039


 32, 89.850,
304.039

 100, 89.850,
304.039


 22, 89.850,
304.039

 52, 89.850,
304.039


 12, 89.850,
304.039


 62, 89.850,
304.039

 2, 89.850, 304.039

 72, 89.850,
304.039

 0, 89.850, 304.039

 82, 89.850,
304.039

 92, 89.850,
304.039

■ 32, 89.850,
304.039

■ 32, 89.850,
304.039

■ 28, 100.176,
305.441

■ 37, 77.694,
302.343

■ 25, 107.041,
306.264

■ 43, 64.951,
300.595

■ 24, 109.287,
306.549

■ 50, 52.288,
298.947

■ 56, 39.988,
297.467

■ 63, 28.147,
296.172

■ 69, 16.777,
295.055

■ 76, 5.857, 294.102

■ 82, 4.639, 113.272

■ 88, 14.741,
112.577

Harmonies

Complementary

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



32, 89.850, 304.039



76, 70.890, 108.195

Rectangle

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



32, 89.850, 304.039



32, 89.850, 354.039



32, 89.850, 124.039



32, 89.850, 174.039

Sweetspot

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



32, 89.851, 304.040



81, 31.272, 295.916



69, 34.986, 208.154



41, 21.808, 296.355



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, 89.851, 304.040



35, 128.468, 306.083



40, 86.302, 314.823



37, 5.999, 294.449



19, 94.237, 306.605



1, 19.515, 293.509

Inverse Universe

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



49, 80.849, 331.028



60, 106.543, 331.766



72, 79.405, 129.067



38, 6.804, 327.413



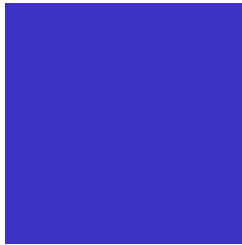
37, 76.417, 332.022



4, 22.313, 329.472

Previews

White Background



This preview shows how the CIE LCh color 32, 89.850, 304.039 looks on a white background.

Color Contrast Check

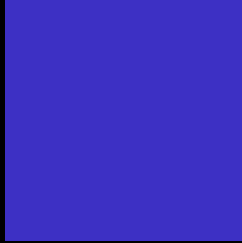
Large Text (above 18pt) WCAG AA ✓ Pass

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, 89.850, 304.039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

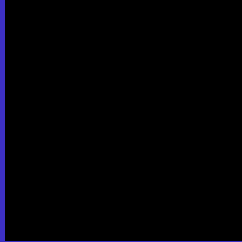
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 89.850, 304.039

Background



This preview shows how black text looks on a background with the CIELCh color 32, 89.850, 304.039.



This preview shows how white text looks on a background with the CIELCh color 32, 89.850, 304.039.

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, 89.850, 304.039

Protanopia

32, 50.921, 285.828

Deuteranopia

32, 35.450, 271.780



Tritanopia
32, 21.445, 206.982

Trichromacy



Original Color
32, 89.850, 304.039

Protanomaly
31, 66.095, 294.869

Deuteranomaly
30, 55.863, 291.130

Tritanomaly
30, 37.856, 280.152

Monochromacy



Original Color
32, 89.850, 304.039

Achromatopsia
29, 0.005, 296.813

Achromatomaly
29, 34.845, 298.978

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 89.850, 304.039 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(61, 48, 196)` looks like.

```
.text, #text, p{  
    color:rgb(61, 48, 196)  
}
```

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(61, 48, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 48, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 89.850, 304.039 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(61, 48, 196) }
```

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

```
.border{ border-color:rgb(61, 48, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 48, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 48, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 48, 196);  
box-shadow:4px 4px 4px 4px rgb(61, 48,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 32, 89.850, 304.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 48, 196) }
```

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

```
.background{ background-color: rgb(61, 48,  
196) }
```

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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