

Converting Colors

CIELCh(32, 117.019, 308.471)

Have a look what the booklet for
CIELCh(32, 117.019, 308.471)
contains.

CIELCh(32, 117.260, 308.476)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(32, 117.260, 308.476)

Conversions

Conversions Part 1

Format	Color
Hex	4B05E2
RGB	75, 5, 226
RGB Percent	29%, 2%, 89%
CMY	0.7062, 0.9810, 0.1140
CMYK	0.67, 0.98, 0.00, 0.11
HSL	259°, 96%, 45%
HSV	259°, 98%, 89%
XYZ	16.6657, 7.0852, 72.3916
YIQ	51.1240, -29.2210, 83.5710

Conversions

Conversions Part 2

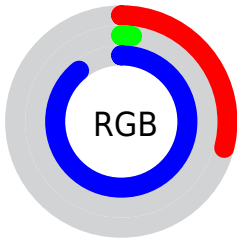
Format	Color
R _Y B	75, 5, 226
Decimal	4916706
CIE Lab	32.00, 72.96, -91.80
CIE LCh	32, 117.260, 308.476
Yxy	7.0852, 0.1733, 0.0737
Android (android.graphics.Color)	4283106786 (0xFF4B05E2)
YUV	51.1240, 86.2139, 20.9393
Hunter-Lab	26.6180, 65.1787, -142.6155

Details

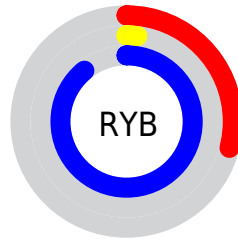
The CIELCh color **32, 117.260, 308.476** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **83, 93.297, 120.657**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 102.502, 309.559**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 118.341, 308.432**, and if you desaturate by 10%, it is **35, 111.151, 308.635**.

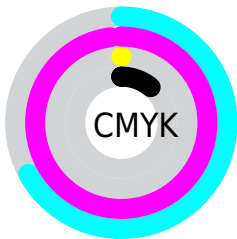
Distribution



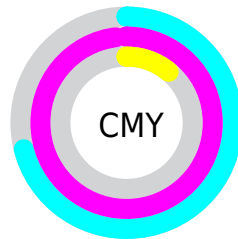
- Red (29%)
- Green (2%)
- Blue (89%)



- Red (29%)
- Yellow (2%)
- Blue (89%)



- Cyan (67%)
- Magenta (98%)
- Yellow (0%)
- Black (11%)





- Cyan (71%)
- Magenta (98%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 117.260, 308.476 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, 117.260, 308.476 by changing the saturation by 10% instead.


 32, 117.260,
308.476


 32, 117.260,
308.476


 100, 117.260,
308.476


 22, 117.260,
308.476


 52, 117.260,
308.476


 12, 117.260,
308.476


 62, 117.260,
308.476

 2, 117.260,
308.476

 72, 117.260,
308.476

 0, 117.260,
308.476

 82, 117.260,
308.476

 92, 117.260,
308.476

■ 32, 117.260,
308.476

■ 32, 117.260,
308.476

■ 31, 118.341,
308.432

■ 35, 111.151,
308.635

■ 39, 101.512,
308.311

■ 45, 89.432,
307.646

■ 51, 76.106,
306.810

■ 57, 62.354,
305.923

■ 64, 48.646,
305.058

■ 71, 35.223,
304.255

■ 78, 22.193,

303.528

■ 84, 9.596, 302.881

Harmonies

Complementary

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



32, 117.260, 308.476



83, 93.297, 120.657

Rectangle

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



32, 117.260, 308.476



32, 117.260, 358.476



32, 117.260, 128.476



32, 117.260, 178.476

Sweetspot

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



32, 117.262, 308.477



78, 40.546, 304.358



61, 45.642, 258.823



38, 28.017, 304.699



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, 117.262, 308.477



36, 129.781, 308.371



47, 106.732, 321.306



43, 6.918, 302.979



24, 97.976, 308.586



3, 32.387, 303.808

Inverse Universe

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



50, 83.094, 346.011



56, 90.992, 346.633



79, 107.112, 134.897



44, 6.529, 335.602



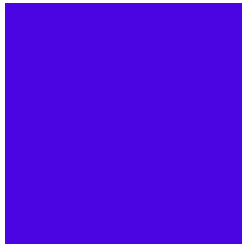
39, 69.195, 346.069



7, 29.070, 342.390

Previews

White Background



This preview shows how the CIELCh color 32, 117.260, 308.476 looks on a white background.

Color Contrast Check

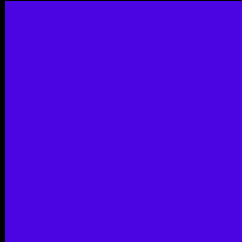
Large Text (above 18pt) WCAG AA ✓ Pass

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, 117.260, 308.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

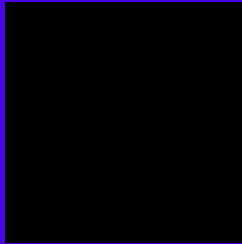
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 117.260, 308.476

Background



This preview shows how black text looks on a background with the CIELCh color 32, 117.260, 308.476.



This preview shows how white text looks on a background with the CIELCh color 32, 117.260, 308.476.

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, 117.260, 308.476

Protanopia

32, 51.367, 285.565

Deuteranopia

32, 34.930, 270.334



Tritanopia
32, 21.882, 204.990

Trichromacy



Original Color
32, 117.260, 308.476

Protanomaly
29, 82.451, 300.637

Deuteranomaly
28, 72.228, 298.683

Tritanomaly
27, 53.687, 293.566

Monochromacy



Original Color
32, 117.260, 308.476

Achromatopsia
21, 0.004, 296.813

Achromatomaly
21, 53.504, 307.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 117.260, 308.476 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(75, 5, 226)` looks like.

```
.text, #text, p{  
    color:rgb(75, 5, 226)  
}
```

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(75, 5, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 5, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 117.260, 308.476 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(75, 5, 226) }
```

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

```
.border{ border-color:rgb(75, 5, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 5, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 5, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 5, 226);  
box-shadow:4px 4px 4px 4px rgb(75, 5, 226)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 117.260, 308.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 5, 226) }
```

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

```
.background{ background-color: rgb(75, 5,  
226) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor