

Converting Colors

CIELCh(32, 126.726, 307.147)

Have a look what the booklet for
CIELCh(32, 126.726, 307.147)
contains.

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Color

CIELCh(32, 126.696, 307.135)

Conversions

Conversions Part 1

Format	Color
Hex	3101F2
RGB	49, 1, 242
RGB Percent	19%, 0%, 95%
CMY	0.8078, 0.9962, 0.0510
CMYK	0.80, 1.00, 0.00, 0.05
HSL	252°, 99%, 48%
HSV	252°, 100%, 95%
XYZ	17.3040, 7.0852, 84.4581
YIQ	42.8260, -48.7530, 85.1270

Conversions

Conversions Part 2

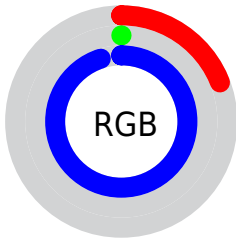
Format	Color
RYB	49, 1, 242
Decimal	3211762
CIELab	32.00, 76.49, -101.00
CIELCh	32, 126.696, 307.135
Yxy	7.0852, 0.1590, 0.0651
Android (android.graphics.Color)	4281401842 (0xFF3101F2)
YUV	42.8260, 98.1928, 5.4146
Hunter-Lab	26.6180, 69.4592, -169.4931

Details

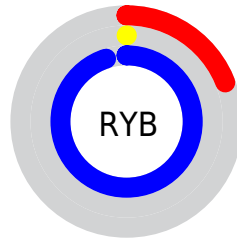
The CIELCh color **32, 126.696, 307.135** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark saturated blue. A complement of this color would be **89, 95.561, 114.823**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **48, 103.967, 308.215**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 126.900, 307.142**, and if you desaturate by 10%, it is **35, 120.760, 306.998**.

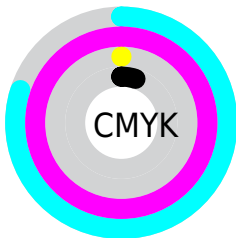
Distribution



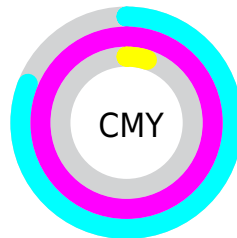
- Red (19%)
- Green (0%)
- Blue (95%)



- Red (19%)
- Yellow (0%)
- Blue (95%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (5%)





- Cyan (81%)
- Magenta (100%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 126.696, 307.135 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, 126.696, 307.135 by changing the saturation by 10% instead.


 32, 126.696,
307.135


 32, 126.696,
307.135


 100, 126.696,
307.135


 22, 126.696,
307.135


 52, 126.696,
307.135


 12, 126.696,
307.135


 62, 126.696,
307.135

 2, 126.696,
307.135

 72, 126.696,
307.135

 0, 126.696,
307.135

 82, 126.696,
307.135

 92, 126.696,
307.135

■ 32, 126.696,
307.135

■ 32, 126.696,
307.135

■ 32, 126.900,
307.142

■ 35, 120.760,
306.998

■ 39, 110.680,
306.329

■ 45, 97.611,
305.253

■ 51, 83.130,
303.997

■ 58, 68.275,
302.725

■ 66, 53.587,
301.527

■ 73, 39.310,
300.445

■ 81, 25.532,

299.490

■ 88, 12.269,
298.658

Harmonies

Complementary

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



32, 126.696, 307.135



89, 95.561, 114.823

Rectangle

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



32, 126.696, 307.135



32, 126.696, 357.135



32, 126.696, 127.135



32, 126.696, 177.135

Sweetspot

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



32, 126.698, 307.136



76, 41.609, 300.495



74, 41.970, 232.460



37, 28.617, 300.939



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, 126.698, 307.136



34, 132.065, 307.124



45, 115.447, 316.704



46, 7.205, 298.648



23, 102.987, 307.255



3, 38.388, 303.372

Inverse Universe

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



55, 94.910, 338.277



58, 98.722, 338.357



85, 110.635, 133.027



47, 7.496, 331.069



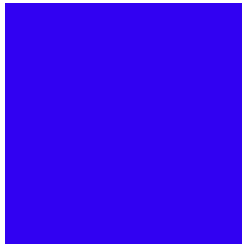
42, 77.366, 338.110



9, 34.483, 336.474

Previews

White Background



This preview shows how the CIE LCh color 32, 126.696, 307.135 looks on a white background.

Color Contrast Check

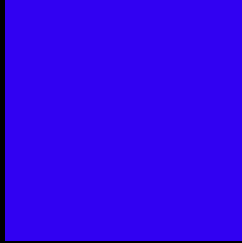
Large Text (above 18pt) WCAG AA ✓ Pass

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, 126.696, 307.135 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

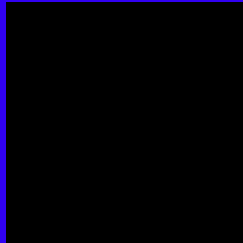
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 126.696, 307.135

Background



This preview shows how black text looks on a background with the CIELCh color 32, 126.696, 307.135.



This preview shows how white text looks on a background with the CIELCh color 32, 126.696, 307.135.

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, 126.696, 307.135

Protanopia

32, 50.787, 285.252

Deuteranopia

32, 34.930, 270.334



Tritanopia
32, 21.976, 203.232

Trichromacy



Original Color
32, 126.696, 307.135

Protanomaly
29, 86.524, 300.990

Deuteranomaly
28, 75.849, 298.890

Tritanomaly
26, 58.809, 294.599

Monochromacy



Original Color
32, 126.696, 307.135

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 57.827, 305.384

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 126.696, 307.135 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(49, 1, 242)` looks like.

```
.text, #text, p{  
    color:rgb(49, 1, 242)  
}
```

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(49, 1, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 1, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 126.696, 307.135 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(49, 1, 242) }
```

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

```
.border{ border-color:rgb(49, 1, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 1, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 1, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 1, 242);  
box-shadow:4px 4px 4px 4px rgb(49, 1, 242)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 126.696, 307.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 1, 242) }
```

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

```
.background{ background-color: rgb(49, 1,  
242) }
```

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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