

# Converting Colors

CIELCh(32, 132.394, 306.372)

Have a look what the booklet for  
CIELCh(32, 132.394, 306.372)  
contains.

<b>CIELCh(32, 132.448, 306.366)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	25
<i><b>CSS Examples</b></i> .....	28

**Color**

**CIELCh(32, 132.448, 306.366)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0A00FC
RGB	10, 0, 252
RGB Percent	4%, 0%, 99%
CMY	0.9621, 1.0000, 0.0120
CMYK	0.96, 1.00, 0.00, 0.01
HSL	242°, 100%, 49%
HSV	242°, 100%, 99%
XYZ	17.6819, 7.0852, 92.4893
YIQ	31.7180, -74.9320, 80.4920

# Conversions

## Conversions Part 2

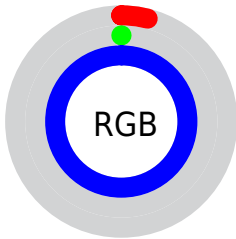
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	10, 0, 252
Decimal	655612
CIE Lab	32.00, 78.53, -106.65
CIE LCh	32, 132.448, 306.366
Yxy	7.0852, 0.1508, 0.0604
Android (android.graphics.Color)	4278845692 (0xFF0A00FC)
YUV	31.7180, 108.5990, -19.0467
Hunter-Lab	26.6180, 71.9934, -187.3820

# Details

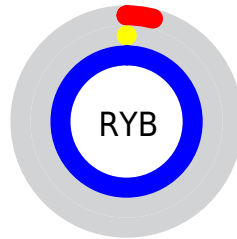
The CIELCh color **32, 132.448, 306.366** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **95, 96.150, 105.270**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 104.896, 307.132**, and **23, 108.515, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **32, 132.434, 306.364**, and if you desaturate by 10%, it is **34, 126.955, 305.705**.

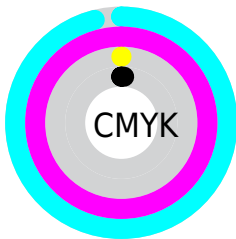
# Distribution



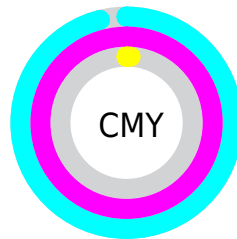
- Red (4%)
- Green (0%)
- Blue (99%)



- Red (4%)
- Yellow (0%)
- Blue (99%)



- Cyan (96%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)




- Cyan (96%)
- Magenta (100%)
- Yellow (1%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 132.448, 306.366 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, 132.448, 306.366 by changing the saturation by 10% instead.





 32, 132.448,  
306.366


 32, 132.448,  
306.366


 100, 132.448,  
306.366


 22, 132.448,  
306.366


 52, 132.448,  
306.366


 12, 132.448,  
306.366


 62, 132.448,  
306.366

 2, 132.448,  
306.366

 72, 132.448,  
306.366

 0, 132.448,  
306.366

 82, 132.448,  
306.366

 92, 132.448,  
306.366

■ 32, 132.448,  
306.366

■ 32, 132.448,  
306.366

■ 32, 132.434,  
306.364

■ 34, 126.955,  
305.705

■ 38, 116.494,  
304.375

■ 44, 102.458,  
302.532

■ 51, 86.917,  
300.504

■ 59, 71.157,  
298.531

■ 67, 55.762,  
296.737

■ 75, 40.937,  
295.166

■ 83, 26.721,

293.817

■ 91, 13.092,  
292.670

# Harmonies

# Complementary

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



32, 132.448, 306.366



95, 96.150, 105.270

# Rectangle

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



32, 132.448, 306.366



32, 132.448, 356.366



32, 132.448, 126.366



32, 132.448, 176.366

# Sweetspot

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



32, 132.434, 306.364



76, 41.340, 295.169



88, 47.396, 201.887



37, 28.460, 295.804



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, 132.434, 306.364



32, 133.650, 306.363



41, 123.003, 312.466



48, 7.385, 292.616



23, 106.516, 306.397



3, 42.138, 301.661



# Inverse Universe

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



59, 111.061, 329.850



60, 112.076, 329.851



89, 109.599, 129.411



49, 8.679, 325.994



44, 89.422, 329.821

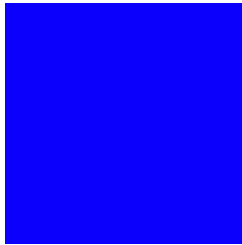


11, 40.613, 329.613



# Previews

## White Background



This preview shows how the CIELCh color 32, 132.448, 306.366 looks on a white background.

## Color Contrast Check

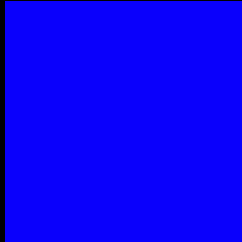
Large Text (above 18pt) WCAG AA ✓ Pass

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, 132.448, 306.366 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

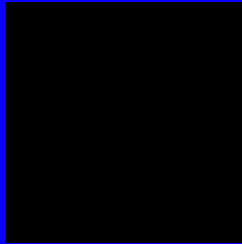
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

# CIELCh 32, 132.448, 306.366

## Background



This preview shows how black text looks on a background with the CIELCh color 32, 132.448, 306.366.



This preview shows how white text looks on a background with the CIELCh color 32, 132.448, 306.366.





# 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, 132.448, 306.366

### Protanopia

32, 50.787, 285.252

### Deuteranopia

32, 34.930, 270.334



**Tritanopia**  
32, 22.088, 201.490

# Trichromacy



**Original Color**

32, 132.448, 306.366

**Protanomaly**

29, 88.825, 300.863

**Deuteranomaly**

28, 78.880, 299.030

**Tritanomaly**

26, 60.737, 294.258

# Monochromacy



**Original Color**

32, 132.448, 306.366

**Achromatopsia**

12, 0.003, 296.813

**Achromatomaly**

15, 61.949, 303.929

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 32, 132.448, 306.366 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(10, 0, 252)` looks like.

```
.text, #text, p{  
    color:rgb(10, 0, 252)  
}
```

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(10, 0, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 0, 252) }
```

## Border

The CSS property to change the border of an element to CIELCh 32, 132.448, 306.366 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(10, 0, 252) }
```

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

```
.border{ border-color:rgb(10, 0, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 0, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 0, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 0, 252);  
box-shadow:4px 4px 4px 4px rgb(10, 0, 252)  
}
```

# Background

The CSS property to change the background color of an element to CIELCh 32, 132.448, 306.366 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 0, 252) }
```

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

```
.background{ background-color: rgb(10, 0,  
252) }
```

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