

Converting Colors

CIELCh(35, 128.421, 306.215)

Have a look what the booklet for
CIELCh(35, 128.421, 306.215)
contains.

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Color

CIELCh(35, 128.228, 306.220)

Conversions

Conversions Part 1

Format	Color
Hex	3017FF
RGB	48, 23, 255
RGB Percent	19%, 9%, 100%
CMY	0.8099, 0.9087, 0.0000
CMYK	0.81, 0.91, 0.00, 0.00
HSL	247°, 100%, 55%
HSV	247°, 91%, 100%
XYZ	19.6392, 8.4984, 95.4017
YIQ	56.9230, -59.5720, 77.4520

Conversions

Conversions Part 2

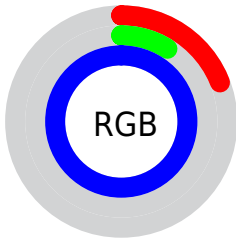
Format	Color
RYB	48, 23, 255
Decimal	3151871
CIELab	35.00, 75.77, -103.45
CIELCh	35, 128.228, 306.220
Yxy	8.4984, 0.1590, 0.0688
Android (android.graphics.Color)	4281341951 (0xFF3017FF)
YUV	56.9230, 97.6520, -7.8255
Hunter-Lab	29.1520, 69.2363, -173.6239

Details

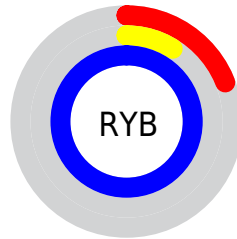
The CIELCh color **35, 128.228, 306.220** is a dark color, and the websafe version is hex **3300FF**. The color can be described as dark washed blue. A complement of this color would be **95, 95.686, 109.264**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 98.740, 307.160**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 133.185, 306.578**, and if you desaturate by 10%, it is **39, 118.036, 305.256**.

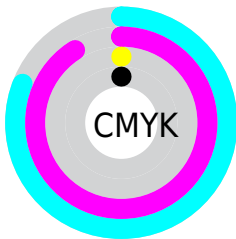
Distribution



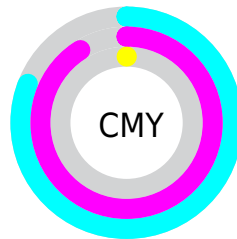
- Red (19%)
- Green (9%)
- Blue (100%)



- Red (19%)
- Yellow (9%)
- Blue (100%)



- Cyan (81%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (91%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 35, 128.228, 306.220 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 35, 128.228, 306.220 by changing the saturation by 10% instead.


 35, 128.228,
306.220


 35, 128.228,
306.220


 100, 128.228,
306.220


 25, 128.228,
306.220


 55, 128.228,
306.220


 15, 128.228,
306.220


 65, 128.228,
306.220

 5, 128.228,
306.220

 75, 128.228,
306.220

 0, 128.228,
306.220

 85, 128.228,
306.220

 95, 128.228,
306.220

■ 35, 128.228,
306.220

■ 35, 128.228,
306.220

■ 33, 133.185,
306.578

■ 39, 118.036,
305.256

■ 45, 104.325,
303.801

■ 52, 88.953,
302.140

■ 59, 73.200,
300.486

■ 67, 57.698,
298.955

■ 75, 42.701,
297.594

■ 83, 28.282,
296.411

■ 91, 14.440,

295.394

99, 1.148, 294.546

Harmonies

Complementary

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



35, 128.228, 306.220



95, 95.686, 109.264

Rectangle

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



35, 128.228, 306.220



35, 128.228, 356.220



35, 128.228, 126.220



35, 128.228, 176.220

Sweetspot

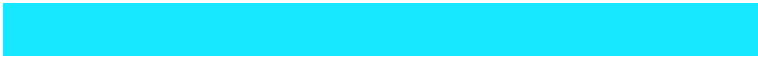
The Sweet Spot groups the original color and five complimentary colors.



35, 128.134, 306.221



78, 37.047, 297.115



84, 44.310, 212.979



39, 25.139, 297.536



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



35, 128.134, 306.221



33, 133.185, 306.578



46, 118.632, 314.843



49, 7.531, 295.267



23, 107.155, 306.647



4, 44.378, 303.880

Inverse Universe

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



60, 104.860, 332.720



59, 105.937, 333.208



90, 109.216, 130.337



50, 8.405, 328.073



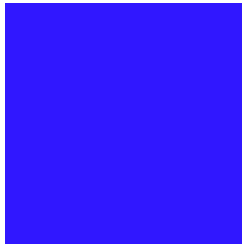
44, 85.452, 333.113



12, 39.717, 332.463

Previews

White Background



This preview shows how the CIE LCh color 35, 128.228, 306.220 looks on a white background.

Color Contrast Check

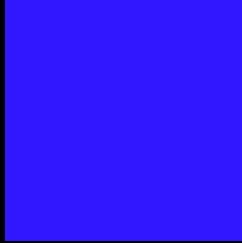
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 128.228, 306.220 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

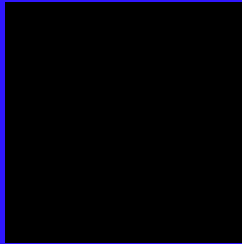
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 128.228, 306.220

Background



This preview shows how black text looks on a background with the CIELCh color 35, 128.228, 306.220.



This preview shows how white text looks on a background with the CIELCh color 35, 128.228, 306.220.

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


35, 128.228, 306.220

Protanopia

35, 53.917, 285.681

Deuteranopia

34, 37.051, 271.109



Tritanopia
35, 23.060, 202.832

Trichromacy



Original Color
35, 128.228, 306.220

Protanomaly
33, 85.583, 299.075

Deuteranomaly
32, 74.807, 296.761

Tritanomaly
30, 55.323, 290.558

Monochromacy



Original Color
35, 128.228, 306.220

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 54.694, 302.288

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 128.228, 306.220 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(48, 23, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 23, 255)  
}
```

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(48, 23, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 23, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 128.228, 306.220 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(48, 23, 255) }
```

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

```
.border{ border-color:rgb(48, 23, 255) }
```

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

Here you see how a box with a 4 pixel rgb(48, 23, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 23, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 23, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 23,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 128.228, 306.220 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 23, 255) }
```

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

```
.background{ background-color: rgb(48, 23,  
255) }
```

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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