

Converting Colors

CIELCh(33, 132.307, 306.248)

Have a look what the booklet for
CIELCh(33, 132.307, 306.248)
contains.

CIELCh(33, 132.341, 306.261)	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(33, 132.341, 306.261)

Conversions

Conversions Part 1

Format	Color
Hex	1507FF
RGB	21, 7, 255
RGB Percent	8%, 3%, 100%
CMY	0.9169, 0.9723, 0.0000
CMYK	0.92, 0.97, 0.00, 0.00
HSL	243°, 100%, 51%
HSV	243°, 97%, 100%
XYZ	18.4456, 7.5373, 95.1237
YIQ	39.4580, -71.2640, 80.0960

Conversions

Conversions Part 2

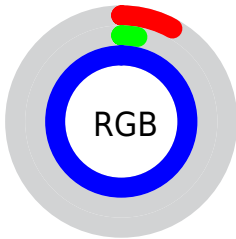
Format	Color
R _Y B	21, 7, 255
Decimal	1378303
CIE Lab	33.00, 78.27, -106.71
CIE LCh	33, 132.341, 306.261
Yxy	7.5373, 0.1523, 0.0622
Android (android.graphics.Color)	4279568383 (0xFF1507FF)
YUV	39.4580, 106.2622, -16.1877
Hunter-Lab	27.4541, 71.8842, -186.2118

Details

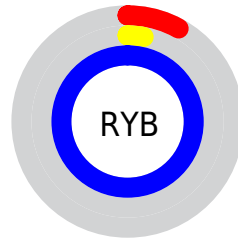
The CIELCh color **33, 132.341, 306.261** is a dark color, and the websafe version is hex **0000FF**. The color can be described as dark saturated blue. A complement of this color would be **96, 96.668, 106.387**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **47, 103.280, 307.013**, and **24, 109.772, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 133.559, 306.404**, and if you desaturate by 10%, it is **36, 125.569, 305.536**.

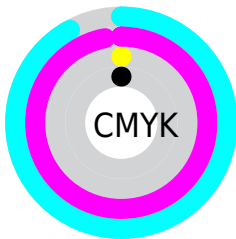
Distribution



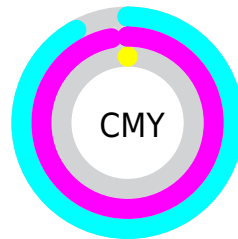
- Red (8%)
- Green (3%)
- Blue (100%)



- Red (8%)
- Yellow (3%)
- Blue (100%)



- Cyan (92%)
- Magenta (97%)
- Yellow (0%)
- Black (0%)





- Cyan (92%)
- Magenta (97%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 132.341, 306.261 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 33, 132.341, 306.261 by changing the saturation by 10% instead.


 33, 132.341,
306.261


 33, 132.341,
306.261


 100, 132.341,
306.261


 23, 132.341,
306.261


 53, 132.341,
306.261


 13, 132.341,
306.261


 63, 132.341,
306.261

 3, 132.341,
306.261

 73, 132.341,
306.261

 0, 132.341,
306.261

 83, 132.341,
306.261

 93, 132.341,
306.261

■ 33, 132.341,
306.261

■ 33, 132.341,
306.261

■ 33, 133.559,
306.404

■ 36, 125.569,
305.536

■ 40, 113.816,
304.120

■ 47, 99.109,
302.294

■ 54, 83.319,
300.358

■ 62, 67.503,
298.512

■ 70, 52.121,
296.849

■ 78, 37.322,
295.398

■ 86, 23.130,

294.153

 94, 9.518, 293.095

Harmonies

Complementary

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



33, 132.341, 306.261



96, 96.668, 106.387

Rectangle

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



33, 132.341, 306.261



33, 132.341, 356.261



33, 132.341, 126.261



33, 132.341, 176.261

Sweetspot

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



33, 132.328, 306.262



76, 39.892, 295.639



88, 46.770, 204.641



37, 27.622, 296.248



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



33, 132.328, 306.262



33, 133.559, 306.404



43, 122.600, 313.075



49, 7.513, 293.320



23, 107.497, 306.448



4, 44.264, 302.900

Inverse Universe

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



60, 110.087, 330.612



60, 110.416, 330.689



90, 110.212, 129.603



50, 8.712, 326.525



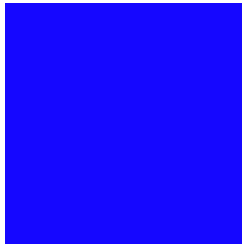
45, 89.003, 330.644



12, 41.167, 330.338

Previews

White Background



This preview shows how the CIE LCh color 33, 132.341, 306.261 looks on a white background.

Color Contrast Check

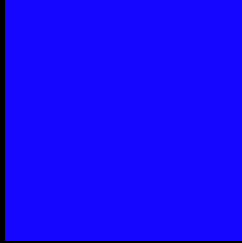
Large Text (above 18pt) WCAG AA ✓ Pass

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 33, 132.341, 306.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

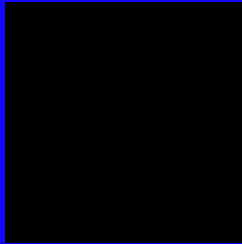
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 132.341, 306.261

Background



This preview shows how black text looks on a background with the CIELCh color 33, 132.341, 306.261.



This preview shows how white text looks on a background with the CIELCh color 33, 132.341, 306.261.

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

33, 132.341, 306.261

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 132.341, 306.261

Protanomaly
30, 88.569, 300.504

Deuteranomaly
29, 78.011, 298.516

Tritanomaly
27, 59.807, 293.531

Monochromacy



Original Color
33, 132.341, 306.261

Achromatopsia
16, 0.003, 296.813

Achromatomaly
18, 60.114, 303.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 132.341, 306.261 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(21, 7, 255)` looks like.

```
.text, #text, p{  
    color:rgb(21, 7, 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(21, 7, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 7, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 132.341, 306.261 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(21, 7, 255) }
```

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

```
.border{ border-color:rgb(21, 7, 255) }
```

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

Here you see how a box with a 4 pixel rgb(21, 7, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 7, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 7, 255);  
box-shadow:4px 4px 4px 4px rgb(21, 7, 255)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 132.341, 306.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 7, 255) }
```

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

```
.background{ background-color: rgb(21, 7,  
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](#).

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