

Converting Colors

CIELCh(33, 114.088, 310.358)

Have a look what the booklet for
CIELCh(33, 114.088, 310.358)
contains.

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Color

CIELCh(33, 113.402, 310.334)

Conversions

Conversions Part 1

Format	Color
Hex	5F00DC
RGB	95, 0, 220
RGB Percent	37%, 0%, 86%
CMY	0.6292, 1.0000, 0.1388
CMYK	0.57, 1.00, 0.00, 0.14
HSL	266°, 100%, 43%
HSV	266°, 100%, 86%
XYZ	17.5290, 7.5373, 67.9680
YIQ	53.4850, -14.0000, 88.5600

Conversions

Conversions Part 2

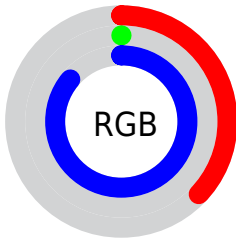
Format	Color
RYB	95, 0, 220
Decimal	6226140
CIELab	33.00, 73.40, -86.44
CIElCh	33, 113.402, 310.334
Yxy	7.5373, 0.1884, 0.0810
Android (android.graphics.Color)	4284416220 (0xFF5F00DC)
YUV	53.4850, 82.0919, 36.4087
Hunter-Lab	27.4541, 65.9250, -127.5662

Details

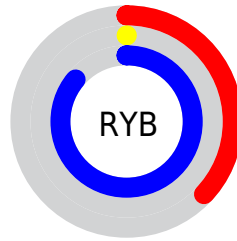
The CIELCh color **33, 113.402, 310.334** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed blue. A complement of this color would be **79, 95.402, 125.744**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 101.981, 311.669**, and **19, 95.742, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **33, 113.278, 310.310**, and if you desaturate by 10%, it is **36, 108.221, 310.782**.

Distribution



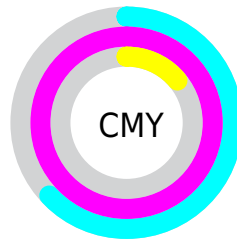
- Red (37%)
- Green (0%)
- Blue (86%)



- Red (37%)
- Yellow (0%)
- Blue (86%)



- Cyan (57%)
- Magenta (100%)
- Yellow (0%)
- Black (14%)





- Cyan (63%)
- Magenta (100%)
- Yellow (14%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 113.402, 310.334 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, 113.402, 310.334 by changing the saturation by 10% instead.


 33, 113.402,
310.334


 33, 113.402,
310.334


 100, 113.402,
310.334


 23, 113.402,
310.334


 53, 113.402,
310.334


 13, 113.402,
310.334


 63, 113.402,
310.334

 3, 113.402,
310.334

 73, 113.402,
310.334

 0, 113.402,
310.334

 83, 113.402,
310.334

 93, 113.402,
310.334

■ 33, 113.402,
310.334

■ 33, 113.402,
310.334

■ 33, 113.278,
310.310

■ 36, 108.221,
310.782

■ 39, 100.168,
310.866

■ 44, 89.496,
310.593

■ 50, 77.223,
310.098

■ 56, 64.174,
309.493

■ 62, 50.894,
308.852

■ 68, 37.704,
308.223

■ 75, 24.778,

307.630

■ 81, 12.201,
307.084

Harmonies

Complementary

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



33, 113.402, 310.334



79, 95.402, 125.744

Rectangle

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



33, 113.402, 310.334



33, 113.402, 0.334



33, 113.402, 130.334



33, 113.402, 180.334

Sweetspot

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



33, 113.278, 310.310



78, 42.577, 308.238



53, 54.969, 275.199



38, 29.209, 308.503



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, 113.278, 310.310



39, 126.938, 310.219



49, 103.780, 324.953



43, 6.913, 307.054



25, 94.791, 310.485



3, 30.772, 306.715

Inverse Universe

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



48, 76.974, 356.013



55, 86.060, 356.343



77, 106.541, 135.706



43, 5.912, 340.785



38, 64.693, 355.400



6, 25.899, 349.539

Previews

White Background



This preview shows how the CIELCh color 33, 113.402, 310.334 looks on a white background.

Color Contrast Check

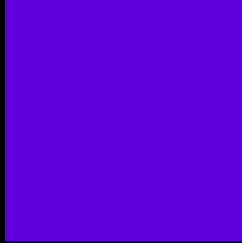
Large Text (above 18pt) WCAG AA ✓ Pass

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, 113.402, 310.334 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

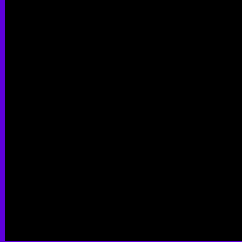
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 113.402, 310.334

Background



This preview shows how black text looks on a background with the CIELCh color 33, 113.402, 310.334.



This preview shows how white text looks on a background with the CIELCh color 33, 113.402, 310.334.

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, 113.402, 310.334

Protanopia

34, 52.900, 285.636

Deuteranopia

34, 36.520, 271.201



Tritanopia
34, 14.361, 215.661

Trichromacy



Original Color
33, 113.402, 310.334

Protanomaly
29, 82.822, 301.126

Deuteranomaly
28, 72.645, 299.342

Tritanomaly
28, 53.758, 301.940

Monochromacy



Original Color
33, 113.402, 310.334

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 52.732, 310.290

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 113.402, 310.334 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(95, 0, 220)` looks like.

```
.text, #text, p{  
    color:rgb(95, 0, 220)  
}
```

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(95, 0, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 0, 220) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 113.402, 310.334 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(95, 0, 220) }
```

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

```
.border{ border-color:rgb(95, 0, 220) }
```

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

Here you see how a box with a 4 pixel rgb(95, 0, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 0, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 0, 220);  
box-shadow:4px 4px 4px 4px rgb(95, 0, 220)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 113.402, 310.334 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 0, 220) }
```

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

```
.background{ background-color: rgb(95, 0,  
220) }
```

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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