

Converting Colors

CIELCh(33, 97.078, 314.856)

Have a look what the booklet for
CIELCh(33, 97.078, 314.856)
contains.

CIELCh(33, 97.287, 314.772)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	26

Color

CIELCh(33, 97.287, 314.772)

Conversions

Conversions Part 1

Format	Color
Hex	7502BE
RGB	117, 2, 190
RGB Percent	46%, 1%, 75%
CMY	0.5413, 0.9925, 0.2550
CMYK	0.38, 0.99, 0.00, 0.26
HSL	277°, 98%, 38%
HSV	277°, 99%, 74%
XYZ	16.6426, 7.5373, 49.2725
YIQ	57.8170, 8.1920, 82.8480

Conversions

Conversions Part 2

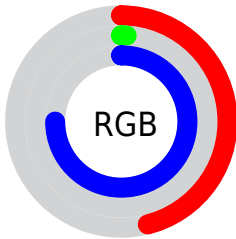
Format	Color
R_{YB}	117, 2, 190
Decimal	7668414
CIE _{Lab}	33.00, 68.52, -69.07
CIE _{LCh}	33, 97.287, 314.772
Yxy	7.5373, 0.2266, 0.1026
Android (android.graphics.Color)	4285858494 (0xFF7502BE)
YUV	57.8170, 65.1662, 51.9035
Hunter-Lab	27.4541, 60.1617, -87.1913

Details

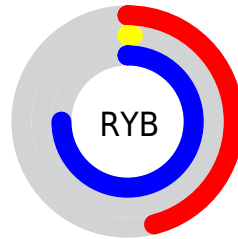
The CIELCh color **33, 97.287, 314.772** is a dark color, and the websafe version is hex **6600CC**. A complement of this color would be **68, 90.119, 131.214**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 97.298, 314.728**, and **18, 78.964, 310.417** is the 20% darker color. If you saturate the color by 10%, you get **33, 97.664, 314.715**, and if you desaturate by 10%, it is **35, 93.257, 315.348**.

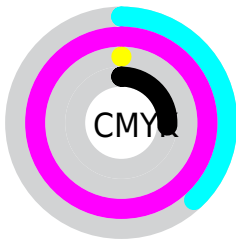
Distribution



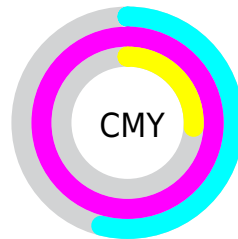
- Red (46%)
- Green (1%)
- Blue (75%)



- Red (46%)
- Yellow (1%)
- Blue (75%)



- Cyan (38%)
- Magenta (99%)
- Yellow (0%)
- Black (26%)




- Cyan (54%)
- Magenta (99%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 97.287, 314.772 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, 97.287, 314.772 by changing the saturation by 10% instead.


 33, 97.287,
314.772


 33, 97.287,
314.772

 100, 97.287,
314.772


 23, 97.287,
314.772

 53, 97.287,
314.772


 13, 97.287,
314.772


 63, 97.287,
314.772

 3, 97.287, 314.772

 73, 97.287,
314.772

 0, 97.287, 314.772

 83, 97.287,
314.772

 93, 97.287,
314.772

■ 33, 97.287,
314.772

■ 33, 97.287,
314.772

■ 33, 97.664,
314.715

■ 35, 93.257,
315.348

■ 38, 86.829,
315.616

■ 42, 78.161,
315.595

■ 46, 67.920,
315.369

■ 51, 56.733,
315.014

■ 56, 45.085,
314.589

■ 61, 33.306,
314.135

■ 67, 21.607,

313.679

■ 72, 10.112,
313.233

Harmonies

Complementary

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



33, 97.287, 314.772



68, 90.119, 131.214

Rectangle

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



33, 97.287, 314.772



33, 97.287, 4.772



33, 97.287, 134.772



33, 97.287, 184.772

Sweetspot

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



33, 97.287, 314.772



77, 42.758, 314.204



36, 69.409, 292.132



38, 29.498, 314.398



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



33, 97.287, 314.772



43, 119.241, 314.540



44, 85.483, 332.623



37, 6.342, 313.249



27, 85.162, 314.864



2, 18.482, 309.053

Inverse Universe

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



40, 67.879, 12.443



53, 83.281, 13.888



67, 93.673, 136.959



37, 4.639, 350.941



33, 59.381, 12.118



3, 13.230, 357.993

Previews

White Background



This preview shows how the CIELCh color 33, 97.287, 314.772 looks on a white background.

Color Contrast Check

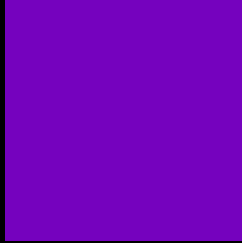
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.287, 314.772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

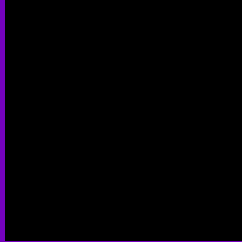
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 97.287, 314.772

Background



This preview shows how black text looks on a background with the CIELCh color 33, 97.287, 314.772.

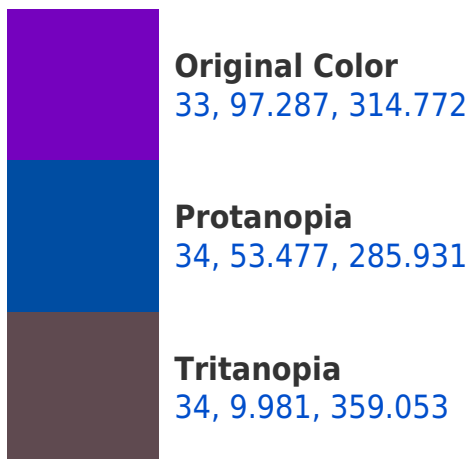


This preview shows how white text looks on a background with the CIELCh color 33, 97.287, 314.772.

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



Trichromacy



Original Color
33, 97.287, 314.772

Protanomaly
29, 76.481, 301.070

Tritanomaly
30, 48.089, 320.017

Monochromacy



Original Color
33, 97.287, 314.772

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 45.714, 315.154

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 97.287, 314.772 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(117, 2, 190)` looks like.

```
.text, #text, p{  
    color:rgb(117, 2, 190)  
}
```

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(117, 2, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 2, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 97.287, 314.772 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(117, 2, 190) }
```

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

```
.border{ border-color:rgb(117, 2, 190) }
```

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

Here you see how a box with a 4 pixel rgb(117, 2, 190) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 2, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 2, 190);  
box-shadow:4px 4px 4px 4px rgb(117, 2,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 97.287, 314.772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 2, 190) }
```

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

```
.background{ background-color: rgb(117, 2,  
190) }
```

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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