

Converting Colors

CIELCh(33, 96.601, 311.376)

Have a look what the booklet for
CIELCh(33, 96.601, 311.376)
contains.

CIELCh(33, 96.821, 311.432)	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>	27

Color

CIELCh(33, 96.821, 311.432)

Conversions

Conversions Part 1

Format	Color
Hex	6719C4
RGB	103, 25, 196
RGB Percent	40%, 10%, 77%
CMY	0.5968, 0.9028, 0.2320
CMYK	0.47, 0.87, 0.00, 0.23
HSL	267°, 78%, 43%
HSV	267°, 87%, 77%
XYZ	15.8612, 7.5373, 52.7447
YIQ	67.8160, -8.4030, 69.7170

Conversions

Conversions Part 2

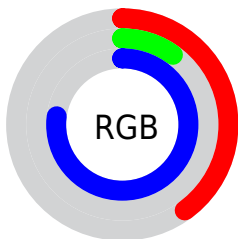
Format	Color
RYB	103, 25, 196
Decimal	6756804
CIELab	33.00, 64.07, -72.59
CIElCh	33, 96.821, 311.432
Yxy	7.5373, 0.2083, 0.0990
Android (android.graphics.Color)	4284946884 (0xFF6719C4)
YUV	67.8160, 63.1947, 30.8564
Hunter-Lab	27.4541, 55.0808, -94.6898

Details

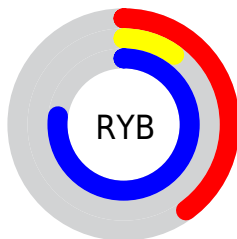
The CIELCh color **33, 96.821, 311.432** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **72, 83.554, 125.338**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 96.963, 311.502**, and **17, 83.948, 307.973** is the 20% darker color. If you saturate the color by 10%, you get **30, 102.096, 311.021**, and if you desaturate by 10%, it is **37, 88.779, 311.443**.

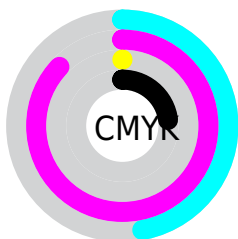
Distribution



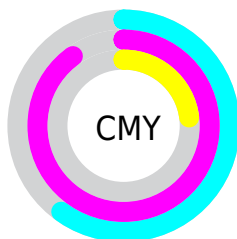
- Red (40%)
- Green (10%)
- Blue (77%)



- Red (40%)
- Yellow (10%)
- Blue (77%)



- Cyan (47%)
- Magenta (87%)
- Yellow (0%)
- Black (23%)





- Cyan (60%)
- Magenta (90%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 96.821, 311.432 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, 96.821, 311.432 by changing the saturation by 10% instead.


 33, 96.821,
311.432


 33, 96.821,
311.432

 100, 96.821,
311.432


 23, 96.821,
311.432

 53, 96.821,
311.432


 13, 96.821,
311.432


 63, 96.821,
311.432

 3, 96.821, 311.432

 73, 96.821,
311.432

 0, 96.821, 311.432

 83, 96.821,
311.432

 93, 96.821,
311.432

■ 33, 96.821,
311.432

■ 33, 96.821,
311.432

■ 30, 102.096,
311.021

■ 37, 88.779,
311.443

■ 30, 103.308,
310.903

■ 41, 78.649,
311.147

■ 46, 67.289,
310.667

■ 52, 55.354,
310.096

■ 57, 43.275,
309.499

■ 63, 31.304,
308.914

■ 69, 19.579,
308.362

■ 75, 8.169, 307.851

Harmonies

Complementary

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



33, 96.821, 311.432



72, 83.554, 125.338

Rectangle

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



33, 96.821, 311.432



33, 96.821, 1.432



33, 96.821, 131.432



33, 96.821, 181.432

Sweetspot

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



33, 96.821, 311.433



81, 36.835, 308.861



49, 47.406, 272.954



41, 25.085, 309.063



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, 96.821, 311.433



40, 126.245, 310.729



46, 91.794, 326.339



38, 6.272, 307.952



24, 89.053, 311.066



2, 20.074, 303.849

Inverse Universe

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



44, 68.531, 353.860



55, 85.377, 358.741



69, 94.051, 136.196



38, 5.245, 342.068



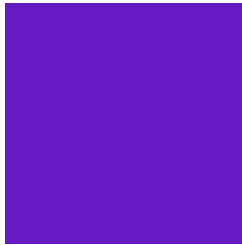
34, 60.675, 357.469



3, 16.244, 349.691

Previews

White Background



This preview shows how the CIELCh color 33, 96.821, 311.432 looks on a white background.

Color Contrast Check

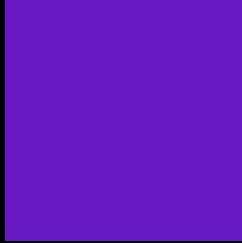
Large Text (above 18pt) WCAG AA ✓ Pass

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, 96.821, 311.432 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

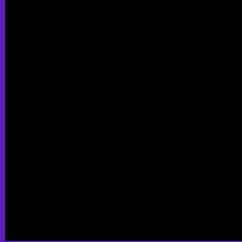
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 96.821, 311.432

Background



This preview shows how black text looks on a background with the CIELCh color 33, 96.821, 311.432.



This preview shows how white text looks on a background with the CIELCh color 33, 96.821, 311.432.

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, 96.821, 311.432

Protanopia

33, 52.390, 285.613

Deuteranopia

33, 36.517, 271.571



Tritanopia
33, 4.263, 261.825

Trichromacy



Original Color
33, 96.821, 311.432



Protanomaly
30, 72.137, 298.575



Deuteranomaly
30, 61.378, 295.691



Tritanomaly
31, 42.689, 307.973

Monochromacy



Original Color
33, 96.821, 311.432



Achromatopsia
29, 0.005, 296.813



Achromatomaly
28, 40.992, 310.711

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 96.821, 311.432 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(103, 25, 196)` looks like.

```
.text, #text, p{  
    color:rgb(103, 25, 196)  
}
```

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(103, 25, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 25, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 96.821, 311.432 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(103, 25, 196) }
```

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

```
.border{ border-color:rgb(103, 25, 196) }
```

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

Here you see how a box with a 4 pixel rgb(103, 25, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 25, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 25, 196);  
box-shadow:4px 4px 4px 4px rgb(103, 25,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 96.821, 311.432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 25, 196) }
```

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

```
.background{ background-color: rgb(103, 25,  
196) }
```

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