

Converting Colors

CIELCh(33, 97.246, 300.805)

Have a look what the booklet for
CIELCh(33, 97.246, 300.805)
contains.

CIELCh(33, 97.226, 300.840)	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, 97.226, 300.840)

Conversions

Conversions Part 1

Format	Color
Hex	0336D6
RGB	3, 54, 214
RGB Percent	1%, 21%, 84%
CMY	0.9879, 0.7876, 0.1600
CMYK	0.99, 0.75, 0.00, 0.16
HSL	225°, 97%, 43%
HSV	225°, 99%, 84%
XYZ	13.5268, 7.5373, 64.4907
YIQ	56.9910, -81.7560, 38.9480

Conversions

Conversions Part 2

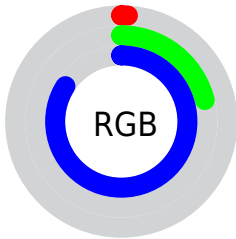
Format	Color
R _Y B	3, 44, 214
Decimal	210646
CIE Lab	33.00, 49.84, -83.48
CIE LCh	33, 97.226, 300.840
Yxy	7.5373, 0.1581, 0.0881
Android (android.graphics.Color)	4278400726 (0xFF0336D6)
YUV	56.9910, 77.4054, -47.3501
Hunter-Lab	27.4541, 39.9033, -120.0566

Details

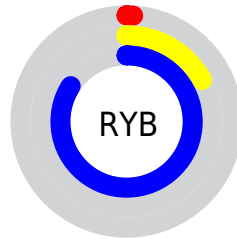
The CIELCh color **33, 97.226, 300.840** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **70, 73.345, 84.200**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 87.810, 300.267**, and **19, 90.224, 305.278** is the 20% darker color. If you saturate the color by 10%, you get **32, 98.603, 301.219**, and if you desaturate by 10%, it is **37, 87.081, 297.854**.

Distribution



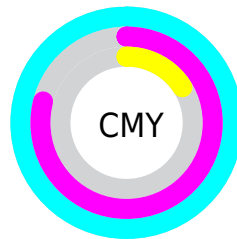
- Red (1%)
- Green (21%)
- Blue (84%)



- Red (1%)
- Yellow (17%)
- Blue (84%)



- Cyan (99%)
- Magenta (75%)
- Yellow (0%)
- Black (16%)




- Cyan (99%)
- Magenta (79%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 97.226, 300.840 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, 97.226, 300.840 by changing the saturation by 10% instead.


 33, 97.226,
300.840


 33, 97.226,
300.840

 100, 97.226,
300.840


 23, 97.226,
300.840

 53, 97.226,
300.840


 13, 97.226,
300.840


 63, 97.226,
300.840

 3, 97.226, 300.840

 73, 97.226,
300.840

 0, 97.226, 300.840

 83, 97.226,
300.840

 93, 97.226,
300.840

■ 33, 97.226,
300.840

■ 33, 97.226,
300.840

■ 32, 98.603,
301.219

■ 37, 87.081,
297.854

■ 42, 76.365,
294.657

■ 47, 65.648,
291.526

■ 52, 55.190,
288.632

■ 58, 45.067,
286.055

■ 63, 35.268,
283.813

■ 69, 25.764,
281.887

■ 75, 16.526,

280.241

■ 81, 7.530, 278.842

Harmonies

Complementary

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



33, 97.226, 300.840



70, 73.345, 84.200

Rectangle

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



33, 97.226, 300.840



33, 97.226, 350.840



33, 97.226, 120.840



33, 97.226, 170.840

Sweetspot

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



33, 97.227, 300.841



80, 31.248, 282.200



77, 57.937, 166.145



40, 21.444, 283.006



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, 97.227, 300.841



39, 113.510, 301.504



29, 114.142, 307.650



42, 4.997, 278.953



25, 82.099, 300.758



4, 23.037, 287.775

Inverse Universe

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



45, 78.979, 26.003



54, 91.346, 27.366



80, 88.018, 117.376



42, 4.779, 0.942



36, 66.869, 25.787



5, 22.128, 9.021

Previews

White Background



This preview shows how the CIELCh color 33, 97.226, 300.840 looks on a white background.

Color Contrast Check

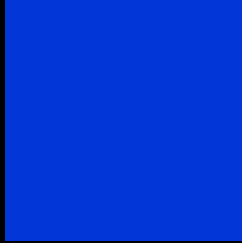
Large Text (above 18pt) WCAG AA ✓ Pass

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, 97.226, 300.840 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

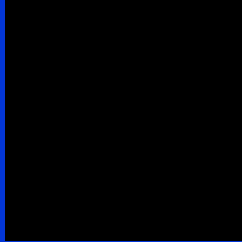
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 97.226, 300.840

Background



This preview shows how black text looks on a background with the CIELCh color 33, 97.226, 300.840.



This preview shows how white text looks on a background with the CIELCh color 33, 97.226, 300.840.

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, 97.216, 300.858

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.987, 271.297



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 97.216, 300.858

Protanomaly
32, 69.344, 293.935

Deuteranomaly
32, 57.987, 289.393

Tritanomaly
31, 39.867, 277.659

Monochromacy



Original Color
33, 97.216, 300.858

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 38.108, 289.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 97.226, 300.840 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(3, 54, 214)` looks like.

```
.text, #text, p{  
    color:rgb(3, 54, 214)  
}
```

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(3, 54, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 54, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 97.226, 300.840 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(3, 54, 214) }
```

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

```
.border{ border-color:rgb(3, 54, 214) }
```

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

Here you see how a box with a 4 pixel rgb(3, 54, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 54, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 54, 214);  
box-shadow:4px 4px 4px 4px rgb(3, 54, 214)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 97.226, 300.840 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 54, 214) }
```

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

```
.background{ background-color: rgb(3, 54,  
214) }
```

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