

Converting Colors

CIELCh(33, 80.626, 297.062)

Have a look what the booklet for
CIELCh(33, 80.626, 297.062)
contains.

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Color

CIELCh(33, 80.340, 296.941)

Conversions

Conversions Part 1

Format	Color
Hex	0040C2
RGB	0, 64, 194
RGB Percent	0%, 25%, 76%
CMY	0.9993, 0.7496, 0.2400
CMYK	1.00, 0.67, 0.00, 0.24
HSL	220°, 100%, 38%
HSV	220°, 100%, 76%
XYZ	11.5429, 7.5373, 51.7738
YIQ	59.6840, -79.8740, 26.8620

Conversions

Conversions Part 2

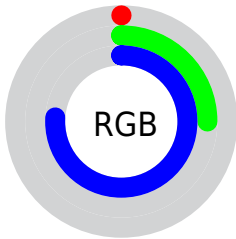
Format	Color
RYB	0, 48, 194
Decimal	16578
CIELab	33.00, 36.40, -71.62
CIELCh	33, 80.340, 296.941
Yxy	7.5373, 0.1629, 0.1064
Android (android.graphics.Color)	4278206658 (0xFF0040C2)
YUV	59.6840, 66.2178, -52.3429
Hunter-Lab	27.4541, 27.0047, -92.5931

Details

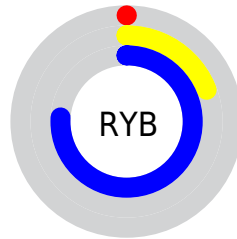
The CIELCh color **33, 80.340, 296.941** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **59, 67.129, 75.986**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 80.816, 296.991**, and **18, 75.753, 302.930** is the 20% darker color. If you saturate the color by 10%, you get **33, 80.418, 296.971**, and if you desaturate by 10%, it is **37, 71.645, 293.468**.

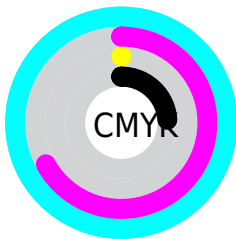
Distribution



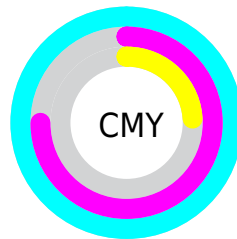
- Red (0%)
- Green (25%)
- Blue (76%)



- Red (0%)
- Yellow (19%)
- Blue (76%)



- Cyan (100%)
- Magenta (67%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (75%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 80.340, 296.941 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, 80.340, 296.941 by changing the saturation by 10% instead.


 33, 80.340,
296.941


 33, 80.340,
296.941

 100, 80.340,
296.941


 23, 80.340,
296.941

 53, 80.340,
296.941


 13, 80.340,
296.941


 63, 80.340,
296.941

 3, 80.340, 296.941

 73, 80.340,
296.941

 0, 80.340, 296.941

 83, 80.340,
296.941

 93, 80.340,
296.941

■ 33, 80.340,
296.941

■ 33, 80.340,
296.941

■ 33, 80.418,
296.971

■ 37, 71.645,
293.468

■ 41, 62.939,
289.866

■ 45, 54.409,
286.429

■ 49, 46.112,
283.294

■ 54, 38.033,
280.523

■ 59, 30.137,
278.120

■ 64, 22.394,
276.058

■ 69, 14.787,

274.297

■ 74, 7.304, 272.801

Harmonies

Complementary

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



33, 80.340, 296.941



59, 67.129, 75.986

Rectangle

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



33, 80.340, 296.941



33, 80.340, 346.941



33, 80.340, 116.941



33, 80.340, 166.941

Sweetspot

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



33, 80.341, 296.943



81, 27.852, 276.167



70, 59.955, 159.247



41, 19.227, 277.022



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, 80.341, 296.943



43, 99.749, 297.544



24, 107.617, 306.976



38, 4.177, 272.727



27, 68.963, 296.459



3, 15.136, 280.078

Inverse Universe

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



41, 70.463, 18.625



53, 86.390, 19.662



74, 80.295, 112.872



38, 4.586, 354.811



34, 61.120, 17.807



3, 14.732, 2.012

Previews

White Background



This preview shows how the CIE LCh color 33, 80.340, 296.941 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 CIE LCh color 33, 80.340, 296.941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

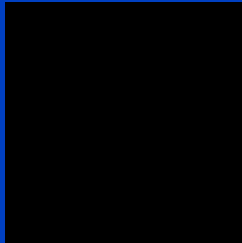
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 80.340, 296.941

Background



This preview shows how black text looks on a background with the CIELCh color 33, 80.340, 296.941.



This preview shows how white text looks on a background with the CIELCh color 33, 80.340, 296.941.

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, 80.348, 296.915

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 36.516, 271.941



Tritanopia
33, 22.063, 204.902

Trichromacy



Original Color
33, 80.348, 296.915

Protanomaly
33, 62.639, 291.077

Deuteranomaly
32, 51.947, 285.871

Tritanomaly
32, 33.877, 269.309

Monochromacy



Original Color
33, 80.348, 296.915

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 31.605, 284.233

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 80.340, 296.941 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(0, 64, 194)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 194)  
}
```

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(0, 64, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 80.340, 296.941 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(0, 64, 194) }
```

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

```
.border{ border-color:rgb(0, 64, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 64, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 64, 194);  
box-shadow:4px 4px 4px 4px rgb(0, 64, 194)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 80.340, 296.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 194) }
```

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

```
.background{ background-color: rgb(0, 64,  
194) }
```

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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