

Converting Colors

CIELCh(33, 79.010, 296.526)

Have a look what the booklet for
CIELCh(33, 79.010, 296.526)
contains.

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Color

CIELCh(33, 78.584, 296.407)

Conversions

Conversions Part 1

Format	Color
Hex	0041C0
RGB	0, 65, 192
RGB Percent	0%, 25%, 75%
CMY	1.0000, 0.7460, 0.2482
CMYK	1.00, 0.66, 0.00, 0.25
HSL	220°, 100%, 38%
HSV	220°, 100%, 75%
XYZ	11.3413, 7.5373, 50.5531
YIQ	60.0430, -79.5070, 25.7170

Conversions

Conversions Part 2

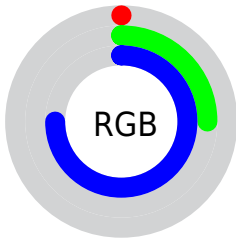
Format	Color
R_{YB}	0, 49, 192
Decimal	16832
CIE _{Lab}	33.00, 34.95, -70.38
CIE _{LCh}	33, 78.584, 296.407
Yxy	7.5373, 0.1633, 0.1086
Android (android.graphics.Color)	4278206912 (0xFF0041C0)
YUV	60.0430, 65.0548, -52.6577
Hunter-Lab	27.4541, 25.6939, -89.9568

Details

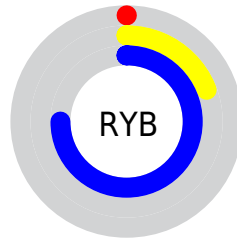
The CIELCh color **33, 78.584, 296.407** is a dark color, and the websafe version is hex **003399**. The color can be described as dark washed blue. A complement of this color would be **58, 66.578, 75.138**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 79.115, 296.603**, and **18, 74.142, 302.602** is the 20% darker color. If you saturate the color by 10%, you get **33, 78.575, 296.444**, and if you desaturate by 10%, it is **37, 70.061, 292.922**.

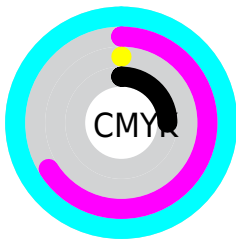
Distribution



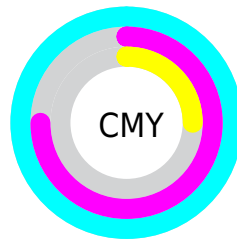
- Red (0%)
- Green (25%)
- Blue (75%)



- Red (0%)
- Yellow (19%)
- Blue (75%)



- Cyan (100%)
- Magenta (66%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (75%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 78.584, 296.407 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, 78.584, 296.407 by changing the saturation by 10% instead.


 33, 78.584,
296.407


 33, 78.584,
296.407

 100, 78.584,
296.407


 23, 78.584,
296.407

 53, 78.584,
296.407


 13, 78.584,
296.407


 63, 78.584,
296.407

 3, 78.584, 296.407

 73, 78.584,
296.407

 0, 78.584, 296.407

 83, 78.584,
296.407

 93, 78.584,
296.407

■ 33, 78.584,
296.407

■ 33, 78.584,
296.407

■ 33, 78.575,
296.444

■ 37, 70.061,
292.922

■ 40, 61.572,
289.280

■ 45, 53.264,
285.812

■ 49, 45.182,
282.654

■ 54, 37.303,
279.865

■ 58, 29.592,
277.448

■ 63, 22.021,
275.375

■ 68, 14.571,

273.604

■ 73, 7.234, 272.101

Harmonies

Complementary

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



33, 78.584, 296.407



58, 66.578, 75.138

Rectangle

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



33, 78.584, 296.407



33, 78.584, 346.407



33, 78.584, 116.407



33, 78.584, 166.407

Sweetspot

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



33, 78.575, 296.444



80, 27.321, 275.468



69, 60.708, 158.046



40, 18.697, 276.316



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, 78.575, 296.444



43, 97.539, 297.036



24, 106.964, 306.874



38, 4.136, 272.016



27, 67.983, 295.950



3, 15.021, 279.666

Inverse Universe

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



40, 69.661, 17.783



53, 85.384, 18.782



73, 79.398, 111.915



38, 4.608, 354.209



34, 60.921, 16.970



3, 14.773, 1.543

Previews

White Background



This preview shows how the CIE LCh color 33, 78.584, 296.407 looks on a white background.

Color Contrast Check

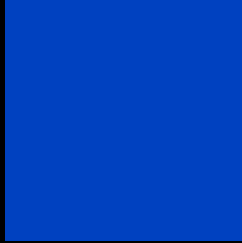
Large Text (above 18pt) WCAG AA ✓ Pass

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, 78.584, 296.407 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

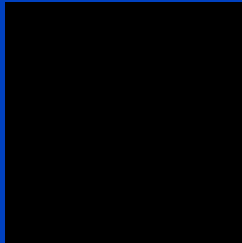
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 78.584, 296.407

Background



This preview shows how black text looks on a background with the CIELCh color 33, 78.584, 296.407.



This preview shows how white text looks on a background with the CIELCh color 33, 78.584, 296.407.

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, 78.584, 296.407

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 36.516, 271.941



Tritanopia
33, 22.063, 204.902

Trichromacy



Original Color
33, 78.584, 296.407

Protanomaly
33, 62.060, 290.875

Deuteranomaly
32, 51.947, 285.871

Tritanomaly
32, 33.877, 269.309

Monochromacy



Original Color
33, 78.584, 296.407

Achromatopsia
25, 0.004, 296.813

Achromatomaly
27, 30.347, 282.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 78.584, 296.407 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, 65, 192)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 192)  
}
```

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, 65, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 78.584, 296.407 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, 65, 192) }
```

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

```
.border{ border-color:rgb(0, 65, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 65, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 65, 192);  
box-shadow:4px 4px 4px 4px rgb(0, 65, 192)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 78.584, 296.407 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 65, 192) }
```

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

```
.background{ background-color: rgb(0, 65,  
192) }
```

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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