

Converting Colors

CIELCh(31, 85.226, 295.257)

Have a look what the booklet for
CIELCh(31, 85.226, 295.257)
contains.

CIELCh(33, 83.937, 298.023)	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, 83.937, 298.023)

Conversions

Conversions Part 1

Format	Color
Hex	053EC6
RGB	5, 62, 198
RGB Percent	2%, 24%, 78%
CMY	0.9805, 0.7576, 0.2234
CMYK	0.97, 0.69, 0.00, 0.22
HSL	222°, 95%, 40%
HSV	222°, 97%, 78%
XYZ	11.9727, 7.5373, 54.2758
YIQ	60.4610, -77.6280, 30.2120

Conversions

Conversions Part 2

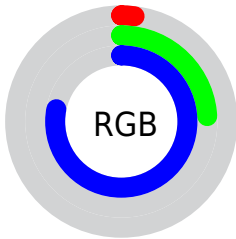
Format	Color
R _Y B	5, 49, 198
Decimal	343750
CIE Lab	33.00, 39.44, -74.10
CIE LCh	33, 83.937, 298.023
Yxy	7.5373, 0.1623, 0.1022
Android (android.graphics.Color)	4278533830 (0xFF053EC6)
YUV	60.4610, 67.8067, -48.6393
Hunter-Lab	27.4541, 29.7992, -97.9964

Details

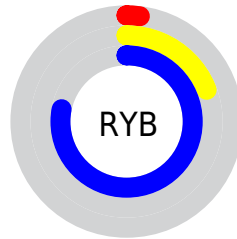
The CIELCh color **33, 83.937, 298.023** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **63, 67.912, 79.703**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 83.615, 298.055**, and **18, 78.874, 303.514** is the 20% darker color. If you saturate the color by 10%, you get **32, 86.205, 298.785**, and if you desaturate by 10%, it is **37, 74.670, 294.663**.

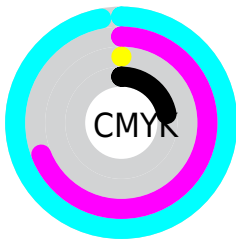
Distribution



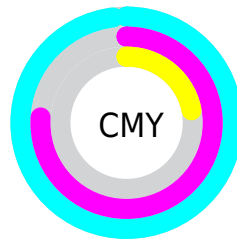
- Red (2%)
- Green (24%)
- Blue (78%)



- Red (2%)
- Yellow (19%)
- Blue (78%)



- Cyan (97%)
- Magenta (69%)
- Yellow (0%)
- Black (22%)





- Cyan (98%)
- Magenta (76%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 83.937, 298.023 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, 83.937, 298.023 by changing the saturation by 10% instead.


 33, 83.937,
298.023


 33, 83.937,
298.023

 100, 83.937,
298.023


 23, 83.937,
298.023

 53, 83.937,
298.023


 13, 83.937,
298.023


 63, 83.937,
298.023

 3, 83.937, 298.023

 73, 83.937,
298.023

 0, 83.937, 298.023

 83, 83.937,
298.023

 93, 83.937,
298.023

■ 33, 83.937,
298.023

■ 33, 83.937,
298.023

■ 32, 86.205,
298.785

■ 37, 74.670,
294.663

■ 41, 65.303,
291.232

■ 46, 56.106,
287.965

■ 51, 47.170,
284.993

■ 56, 38.492,
282.372

■ 61, 30.045,
280.102

■ 66, 21.798,
278.154

■ 71, 13.730,

276.490

■ 76, 5.827, 275.080

Harmonies

Complementary

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



33, 83.937, 298.023



63, 67.912, 79.703

Rectangle

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



33, 83.937, 298.023



33, 83.937, 348.023



33, 83.937, 118.023



33, 83.937, 168.023

Sweetspot

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



33, 83.938, 298.024



82, 28.286, 278.508



71, 57.794, 162.263



41, 19.498, 279.339



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, 83.938, 298.024



42, 105.865, 299.284



26, 107.702, 307.155



39, 4.432, 275.327



26, 73.607, 298.304



3, 17.215, 282.602

Inverse Universe

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



42, 71.807, 20.594



54, 88.550, 22.850



75, 81.648, 114.588



39, 4.604, 357.169



34, 62.764, 21.020



4, 16.496, 4.507

Previews

White Background



This preview shows how the CIELCh color 33, 83.937, 298.023 looks on a white background.

Color Contrast Check

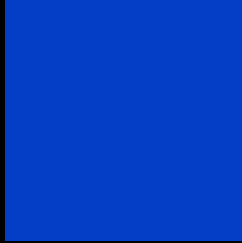
Large Text (above 18pt) WCAG AA ✓ Pass

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, 83.937, 298.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

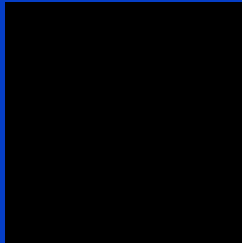
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 83.937, 298.023

Background



This preview shows how black text looks on a background with the CIELCh color 33, 83.937, 298.023.



This preview shows how white text looks on a background with the CIELCh color 33, 83.937, 298.023.

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, 83.801, 297.976

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 35.987, 271.297



Tritanopia
33, 22.063, 204.902

Trichromacy



Original Color
33, 83.801, 297.976

Protanomaly
33, 64.449, 291.967

Deuteranomaly
32, 53.161, 286.851

Tritanomaly
32, 35.405, 271.992

Monochromacy



Original Color
33, 83.801, 297.976

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 32.151, 285.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 83.937, 298.023 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(5, 62, 198)` looks like.

```
.text, #text, p{  
    color:rgb(5, 62, 198)  
}
```

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(5, 62, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 62, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 83.937, 298.023 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(5, 62, 198) }
```

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

```
.border{ border-color:rgb(5, 62, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 62, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 62, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 62, 198);  
box-shadow:4px 4px 4px 4px rgb(5, 62, 198)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 83.937, 298.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 62, 198) }
```

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

```
.background{ background-color: rgb(5, 62,  
198) }
```

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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