

Converting Colors

CIELCh(33, 93.210, 300.393)

Have a look what the booklet for
CIELCh(33, 93.210, 300.393)
contains.

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Color

CIELCh(33, 93.319, 300.408)

Conversions

Conversions Part 1

Format	Color
Hex	0F38D1
RGB	15, 56, 209
RGB Percent	6%, 22%, 82%
CMY	0.9407, 0.7803, 0.1803
CMYK	0.93, 0.73, 0.00, 0.18
HSL	227°, 86%, 44%
HSV	227°, 93%, 82%
XYZ	13.1254, 7.5373, 61.1007
YIQ	61.1830, -73.5490, 38.8910

Conversions

Conversions Part 2

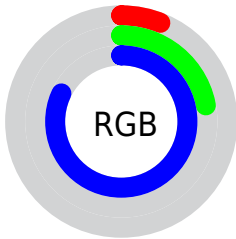
Format	Color
RYB	15, 49, 209
Decimal	997585
CIELab	33.00, 47.23, -80.48
CIELCh	33, 93.319, 300.408
Yxy	7.5373, 0.1605, 0.0922
Android (android.graphics.Color)	4279187665 (0xFF0F38D1)
YUV	61.1830, 72.8738, -40.5025
Hunter-Lab	27.4541, 37.2933, -112.7355

Details

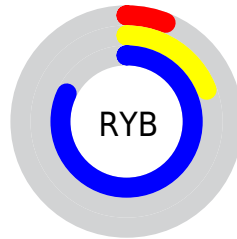
The CIELCh color **33, 93.319, 300.408** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **71, 71.783, 87.933**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 86.573, 299.976**, and **18, 86.858, 304.871** is the 20% darker color. If you saturate the color by 10%, you get **30, 100.266, 302.296**, and if you desaturate by 10%, it is **37, 82.743, 297.443**.

Distribution



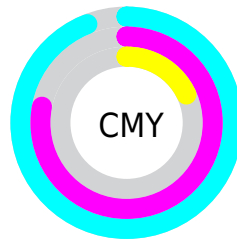
- Red (6%)
- Green (22%)
- Blue (82%)



- Red (6%)
- Yellow (19%)
- Blue (82%)



- Cyan (93%)
- Magenta (73%)
- Yellow (0%)
- Black (18%)





- Cyan (94%)
- Magenta (78%)
- Yellow (18%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 93.319, 300.408 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, 93.319, 300.408 by changing the saturation by 10% instead.

 33, 93.319,
300.408


 33, 93.319,
300.408

 100, 93.319,
300.408


 23, 93.319,
300.408

 53, 93.319,
300.408


 13, 93.319,
300.408


 63, 93.319,
300.408

 3, 93.319, 300.408

 73, 93.319,
300.408

 0, 93.319, 300.408

 83, 93.319,
300.408

 93, 93.319,
300.408

■ 33, 93.319,
300.408

■ 33, 93.319,
300.408

■ 30, 100.266,
302.296

■ 37, 82.743,
297.443

■ 42, 71.764,
294.395

■ 48, 60.891,
291.486

■ 53, 50.331,
288.846

■ 59, 40.129,
286.523

■ 65, 30.268,
284.517

■ 71, 20.720,
282.798

■ 76, 11.455,

281.333

■ 82, 2.451, 280.126

Harmonies

Complementary

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



33, 93.319, 300.408



71, 71.783, 87.933

Rectangle

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



33, 93.319, 300.408



33, 93.319, 350.408



33, 93.319, 120.408



33, 93.319, 170.408

Sweetspot

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



33, 93.320, 300.409



81, 30.197, 283.720



75, 53.241, 170.388



40, 20.984, 284.503



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, 93.320, 300.409



38, 117.638, 302.594



30, 108.423, 308.119



41, 5.072, 280.894



24, 84.194, 301.887



3, 21.870, 287.640

Inverse Universe

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



45, 75.941, 25.307



54, 93.223, 29.809



78, 85.655, 118.499



41, 4.628, 3.243



35, 67.366, 28.205



4, 20.237, 9.714

Previews

White Background



This preview shows how the CIE LCh color 33, 93.319, 300.408 looks on a white background.

Color Contrast Check

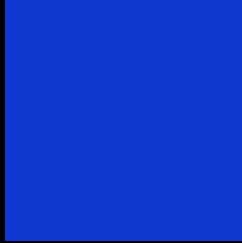
Large Text (above 18pt) WCAG AA ✓ Pass

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, 93.319, 300.408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

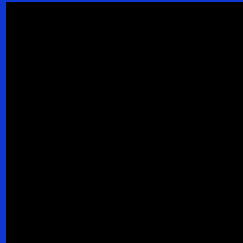
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 93.319, 300.408

Background



This preview shows how black text looks on a background with the CIELCh color 33, 93.319, 300.408.



This preview shows how white text looks on a background with the CIELCh color 33, 93.319, 300.408.

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, 93.319, 300.408

Protanopia

33, 51.879, 285.589

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 93.319, 300.408

Protanomaly
32, 67.490, 293.430

Deuteranomaly
32, 56.780, 289.170

Tritanomaly
31, 38.077, 276.174

Monochromacy



Original Color
33, 93.319, 300.408

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 36.498, 290.361

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 93.319, 300.408 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(15, 56, 209)` looks like.

```
.text, #text, p{  
    color:rgb(15, 56, 209)  
}
```

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(15, 56, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 56, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 93.319, 300.408 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(15, 56, 209) }
```

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

```
.border{ border-color:rgb(15, 56, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 56, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 56, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 56, 209);  
box-shadow:4px 4px 4px 4px rgb(15, 56,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 93.319, 300.408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 56, 209) }
```

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

```
.background{ background-color: rgb(15, 56,  
209) }
```

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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