

Converting Colors

CIELCh(33, 108.668, 303.899)

Have a look what the booklet for
CIELCh(33, 108.668, 303.899)
contains.

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Color

CIELCh(33, 108.874, 303.965)

Conversions

Conversions Part 1

Format	Color
Hex	242AE2
RGB	36, 42, 226
RGB Percent	14%, 16%, 89%
CMY	0.8578, 0.8350, 0.1133
CMYK	0.84, 0.81, 0.00, 0.11
HSL	238°, 77%, 51%
HSV	238°, 84%, 89%
XYZ	15.3072, 7.5373, 72.6691
YIQ	61.1820, -62.6400, 55.9520

Conversions

Conversions Part 2

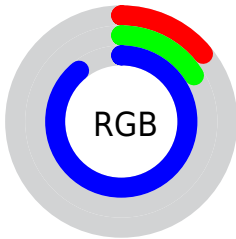
Format	Color
R _Y B	36, 42, 226
Decimal	2370274
CIE Lab	33.00, 60.83, -90.30
CIE LCh	33, 108.874, 303.965
Yxy	7.5373, 0.1603, 0.0789
Android (android.graphics.Color)	4280560354 (0xFF242AE2)
YUV	61.1820, 81.2553, -22.0846
Hunter-Lab	27.4541, 51.4789, -137.7186

Details

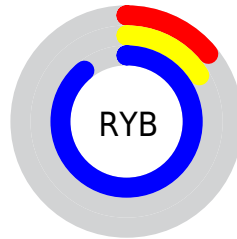
The CIELCh color **33, 108.874, 303.965** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **86, 82.063, 101.474**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 93.476, 303.966**, and **19, 98.329, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **30, 117.782, 305.485**, and if you desaturate by 10%, it is **38, 96.543, 301.874**.

Distribution



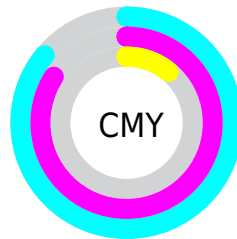
- Red (14%)
- Green (16%)
- Blue (89%)



- Red (14%)
- Yellow (16%)
- Blue (89%)



- Cyan (84%)
- Magenta (81%)
- Yellow (0%)
- Black (11%)





- Cyan (86%)
- Magenta (84%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 108.874, 303.965 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, 108.874, 303.965 by changing the saturation by 10% instead.


 33, 108.874,
303.965


 33, 108.874,
303.965


 100, 108.874,
303.965


 23, 108.874,
303.965


 53, 108.874,
303.965


 13, 108.874,
303.965


 63, 108.874,
303.965

 3, 108.874,
303.965

 73, 108.874,
303.965

 0, 108.874,
303.965

 83, 108.874,
303.965

 93, 108.874,
303.965

■ 33, 108.874,
303.965

■ 33, 108.874,
303.965

■ 30, 117.782,
305.485

■ 38, 96.543,
301.874

■ 29, 120.912,
306.000

■ 44, 82.679,
299.551

■ 51, 68.538,
297.272

■ 58, 54.703,
295.191

■ 65, 41.377,
293.366

■ 72, 28.594,
291.798

■ 80, 16.334,
290.466

■ 87, 4.557, 289.348

Harmonies

Complementary

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



33, 108.874, 303.965



86, 82.063, 101.474

Rectangle

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



33, 108.874, 303.965



33, 108.874, 353.965



33, 108.874, 123.965



33, 108.874, 173.965

Sweetspot

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



33, 108.876, 303.966



80, 32.963, 291.973



82, 45.356, 192.088



40, 22.654, 292.509



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, 108.876, 303.966



33, 132.617, 306.040



40, 105.620, 311.718



43, 6.543, 289.933



21, 99.870, 305.895



2, 30.957, 295.212

Inverse Universe

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



49, 83.169, 33.804



53, 103.386, 39.164



82, 91.871, 125.541



44, 4.728, 17.447



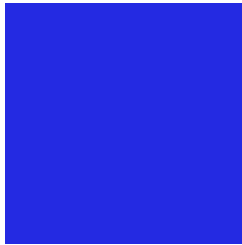
36, 77.775, 38.688



6, 25.468, 19.650

Previews

White Background



This preview shows how the CIELCh color 33, 108.874, 303.965 looks on a white background.

Color Contrast Check

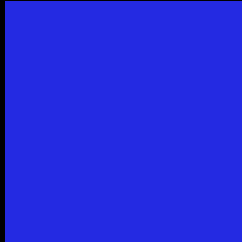
Large Text (above 18pt) WCAG AA ✓ Pass

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, 108.874, 303.965 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

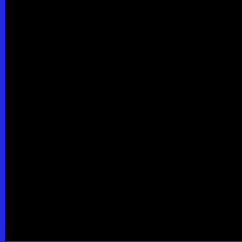
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 108.874, 303.965

Background



This preview shows how black text looks on a background with the CIELCh color 33, 108.874, 303.965.



This preview shows how white text looks on a background with the CIELCh color 33, 108.874, 303.965.

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, 108.874, 303.965

Protanopia

32, 51.947, 285.871

Deuteranopia

32, 35.984, 271.673



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 108.874, 303.965

Protanomaly
32, 74.295, 296.440

Deuteranomaly
31, 63.584, 293.001

Tritanomaly
30, 44.466, 283.630

Monochromacy



Original Color
33, 108.874, 303.965

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 43.596, 297.401

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 108.874, 303.965 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(36, 42, 226)` looks like.

```
.text, #text, p{  
    color:rgb(36, 42, 226)  
}
```

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(36, 42, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 42, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 108.874, 303.965 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(36, 42, 226) }
```

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

```
.border{ border-color:rgb(36, 42, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 42, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 42, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 42, 226);  
box-shadow:4px 4px 4px 4px rgb(36, 42,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 108.874, 303.965 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 42, 226) }
```

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

```
.background{ background-color: rgb(36, 42,  
226) }
```

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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