

Converting Colors

CIELCh(33, 122.419, 305.943)

Have a look what the booklet for
CIELCh(33, 122.419, 305.943)
contains.

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Color

CIELCh(33, 122.649, 305.960)

Conversions

Conversions Part 1

Format	Color
Hex	2A18F2
RGB	42, 24, 242
RGB Percent	16%, 9%, 95%
CMY	0.8363, 0.9065, 0.0515
CMYK	0.83, 0.90, 0.00, 0.05
HSL	245°, 89%, 52%
HSV	245°, 90%, 95%
XYZ	17.2759, 7.5373, 84.4521
YIQ	54.2340, -59.2500, 71.6140

Conversions

Conversions Part 2

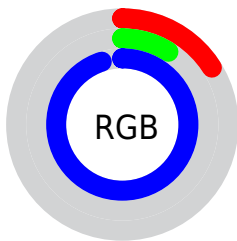
Format	Color
R _Y B	42, 24, 242
Decimal	2758898
CIE Lab	33.00, 72.02, -99.28
CIE LCh	33, 122.649, 305.960
Yxy	7.5373, 0.1581, 0.0690
Android (android.graphics.Color)	4280948978 (0xFF2A18F2)
YUV	54.2340, 92.5686, -10.7292
Hunter-Lab	27.4541, 64.2792, -163.1652

Details

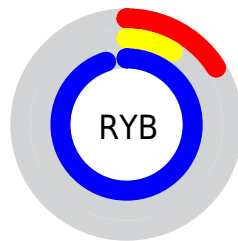
The CIELCh color **33, 122.649, 305.960** is a dark color, and the websafe version is hex **3333FF**. The color can be described as dark washed blue. A complement of this color would be **91, 91.340, 107.736**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 99.468, 306.504**, and **22, 104.725, 306.287** is the 20% darker color. If you saturate the color by 10%, you get **31, 128.152, 306.486**, and if you desaturate by 10%, it is **37, 112.522, 304.823**.

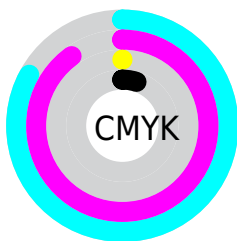
Distribution



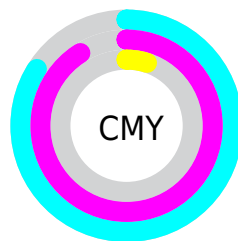
- Red (16%)
- Green (9%)
- Blue (95%)



- Red (16%)
- Yellow (9%)
- Blue (95%)



- Cyan (83%)
- Magenta (90%)
- Yellow (0%)
- Black (5%)





- Cyan (84%)
- Magenta (91%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 122.649, 305.960 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, 122.649, 305.960 by changing the saturation by 10% instead.


 33, 122.649,
305.960


 33, 122.649,
305.960


 100, 122.649,
305.960


 23, 122.649,
305.960


 53, 122.649,
305.960


 13, 122.649,
305.960


 63, 122.649,
305.960

 3, 122.649,
305.960

 73, 122.649,
305.960

 0, 122.649,
305.960

 83, 122.649,
305.960

 93, 122.649,
305.960

■ 33, 122.649,
305.960

■ 33, 122.649,
305.960

■ 31, 128.152,
306.486

■ 37, 112.522,
304.823

■ 43, 99.067,
303.207

■ 50, 84.171,
301.411

■ 57, 69.018,
299.649

■ 64, 54.170,
298.035

■ 72, 39.838,
296.610

■ 80, 26.074,
295.377

■ 88, 12.867,

294.322

■ 95, 0.187, 293.622

Harmonies

Complementary

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



33, 122.649, 305.960



91, 91.340, 107.736

Rectangle

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



33, 122.649, 305.960



33, 122.649, 355.960



33, 122.649, 125.960



33, 122.649, 175.960

Sweetspot

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



33, 122.651, 305.961



78, 37.010, 296.212



83, 43.822, 206.888



39, 25.117, 296.658



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, 122.651, 305.961



33, 133.401, 306.477



43, 114.089, 313.998



46, 7.147, 294.257



22, 104.120, 306.543



3, 38.018, 300.666

Inverse Universe

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



57, 102.532, 331.469



59, 108.220, 331.873



86, 103.428, 129.314



47, 8.138, 327.257



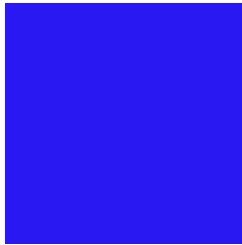
43, 84.667, 331.794



10, 37.293, 331.260

Previews

White Background



This preview shows how the CIELCh color 33, 122.649, 305.960 looks on a white background.

Color Contrast Check

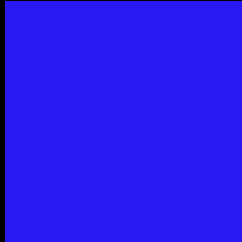
Large Text (above 18pt) WCAG AA ✓ Pass

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, 122.649, 305.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

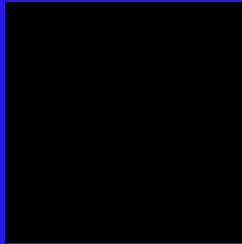
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 122.649, 305.960

Background



This preview shows how black text looks on a background with the CIELCh color 33, 122.649, 305.960.



This preview shows how white text looks on a background with the CIELCh color 33, 122.649, 305.960.

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, 122.649, 305.960

Protanopia

33, 51.300, 285.280

Deuteranopia

33, 35.461, 270.633



Tritanopia
33, 22.157, 203.162

Trichromacy



Original Color
33, 122.649, 305.960

Protanomaly
31, 81.526, 298.826

Deuteranomaly
30, 71.068, 296.201

Tritanomaly
29, 52.642, 289.990

Monochromacy



Original Color
33, 122.649, 305.960

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 51.948, 301.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 122.649, 305.960 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(42, 24, 242)` looks like.

```
.text, #text, p{  
    color:rgb(42, 24, 242)  
}
```

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(42, 24, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 24, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 122.649, 305.960 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(42, 24, 242) }
```

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

```
.border{ border-color:rgb(42, 24, 242) }
```

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

Here you see how a box with a 4 pixel rgb(42, 24, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 24, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 24, 242);  
box-shadow:4px 4px 4px 4px rgb(42, 24,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 122.649, 305.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 24, 242) }
```

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

```
.background{ background-color: rgb(42, 24,  
242) }
```

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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