

Converting Colors

CIELCh(33, 67.726, 301.600)

Have a look what the booklet for
CIELCh(33, 67.726, 301.600)
contains.

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Color

CIELCh(33, 67.610, 301.695)

Conversions

Conversions Part 1

Format	Color
Hex	453DAA
RGB	69, 61, 170
RGB Percent	27%, 24%, 67%
CMY	0.7286, 0.7602, 0.3326
CMYK	0.59, 0.64, 0.00, 0.33
HSL	244°, 47%, 45%
HSV	244°, 64%, 67%
XYZ	11.4206, 7.5373, 38.9780
YIQ	75.8180, -30.2210, 35.5950

Conversions

Conversions Part 2

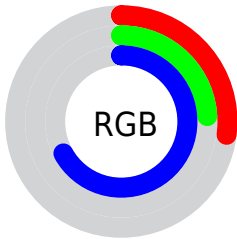
Format	Color
R _Y B	69, 61, 170
Decimal	4537770
CIE Lab	33.00, 35.52, -57.53
CIE LCh	33, 67.610, 301.695
Yxy	7.5373, 0.1971, 0.1301
Android (android.graphics.Color)	4282727850 (0xFF453DAA)
YUV	75.8180, 46.4317, -5.9794
Hunter-Lab	27.4541, 26.2094, -64.9592

Details

The CIELCh color **33, 67.610, 301.695** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **67, 56.033, 108.043**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 67.604, 301.750**, and **14, 67.281, 303.096** is the 20% darker color. If you saturate the color by 10%, you get **28, 78.673, 303.474**, and if you desaturate by 10%, it is **38, 56.202, 299.913**.

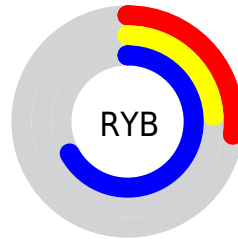
Distribution



Red (27%)

Green (24%)

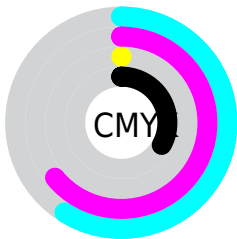
Blue (67%)



Red (27%)

Yellow (24%)

Blue (67%)

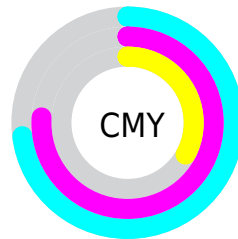


Cyan (59%)

Magenta (64%)

Yellow (0%)

Black (33%)



Cyan (73%)


Magenta (76%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 67.610, 301.695 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, 67.610, 301.695 by changing the saturation by 10% instead.


 33, 67.610,
301.695


 33, 67.610,
301.695

 100, 67.610,
301.695


 23, 67.610,
301.695

 53, 67.610,
301.695


 13, 67.610,
301.695


 63, 67.610,
301.695

 3, 67.610, 301.695

 73, 67.610,
301.695

 0, 67.610, 301.695

 83, 67.610,
301.695

 93, 67.610,
301.695

■ 33, 67.610,
301.695

■ 33, 67.610,
301.695

■ 28, 78.673,
303.474

■ 38, 56.202,
299.913

■ 24, 88.402,
305.019

■ 44, 44.947,
298.254

■ 21, 95.364,
306.045

■ 50, 34.048,
296.776

■ 20, 98.448,
306.532

■ 56, 23.565,
295.489

■ 62, 13.500,
294.381

■ 67, 3.830, 293.438

■ 73, 5.469, 112.613

■ 79, 14.423,
111.922

■ 84, 23.058,
111.328

Harmonies

Complementary

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



33, 67.610, 301.695



67, 56.033, 108.043

Rectangle

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



33, 67.610, 301.695



33, 67.610, 351.695



33, 67.610, 121.695



33, 67.610, 171.695

Sweetspot

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



33, 67.610, 301.696



75, 22.866, 294.945



62, 29.414, 205.062



38, 15.953, 295.261



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33, 67.610, 301.696



35, 101.299, 304.188



39, 66.988, 314.151



33, 5.334, 293.910



17, 88.737, 306.573



1, 9.574, 292.680

Inverse Universe

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



45, 65.539, 329.962



55, 90.888, 330.587



64, 62.020, 128.621



33, 6.113, 326.990



34, 72.729, 331.351



2, 10.882, 327.327

Previews

White Background



This preview shows how the CIELCh color 33, 67.610, 301.695 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, 67.610, 301.695 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

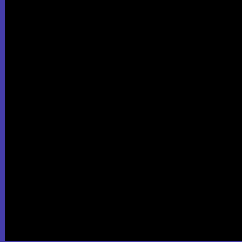
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 67.610, 301.695

Background



This preview shows how black text looks on a background with the CIELCh color 33, 67.610, 301.695.



This preview shows how white text looks on a background with the CIELCh color 33, 67.610, 301.695.

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, 67.610, 301.695

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 37.048, 272.568



Tritanopia
33, 17.224, 210.037

Trichromacy



Original Color
33, 67.610, 301.695

Protanomaly
32, 57.836, 291.160

Deuteranomaly
32, 47.620, 286.036

Tritanomaly
32, 28.619, 277.457

Monochromacy



Original Color
33, 67.610, 301.695

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 24.791, 296.869

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 67.610, 301.695 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(69, 61, 170)` looks like.

```
.text, #text, p{  
    color:rgb(69, 61, 170)  
}
```

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(69, 61, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 61, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 67.610, 301.695 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(69, 61, 170) }
```

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

```
.border{ border-color:rgb(69, 61, 170) }
```

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

Here you see how a box with a 4 pixel rgb(69, 61, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 61, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 61, 170);  
box-shadow:4px 4px 4px 4px rgb(69, 61,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 67.610, 301.695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 61, 170) }
```

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

```
.background{ background-color: rgb(69, 61,  
170) }
```

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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