

Converting Colors

CIELCh(33, 71.460, 300.508)

Have a look what the booklet for
CIELCh(33, 71.460, 300.508)
contains.

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Color

CIELCh(33, 71.773, 300.672)

Conversions

Conversions Part 1

Format	Color
Hex	3D3DB1
RGB	61, 61, 177
RGB Percent	24%, 24%, 69%
CMY	0.7598, 0.7601, 0.3051
CMYK	0.65, 0.65, 0.00, 0.31
HSL	240°, 49%, 47%
HSV	240°, 65%, 69%
XYZ	11.5728, 7.5373, 42.5446
YIQ	74.2240, -37.2360, 36.0760

Conversions

Conversions Part 2

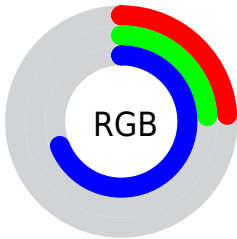
Format	Color
R _Y B	61, 61, 177
Decimal	4013489
CIE Lab	33.00, 36.61, -61.73
CIE LCh	33, 71.773, 300.672
Yxy	7.5373, 0.1877, 0.1222
Android (android.graphics.Color)	4282203569 (0xFF3D3DB1)
YUV	74.2240, 50.6686, -11.5974
Hunter-Lab	27.4541, 27.1987, -72.6617

Details

The CIELCh color **33, 71.773, 300.672** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **70, 58.777, 104.319**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 71.978, 300.738**, and **15, 69.962, 303.192** is the 20% darker color. If you saturate the color by 10%, you get **28, 83.238, 302.823**, and if you desaturate by 10%, it is **39, 59.854, 298.505**.

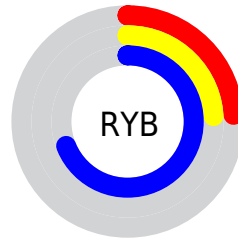
Distribution



Red (24%)

Green (24%)

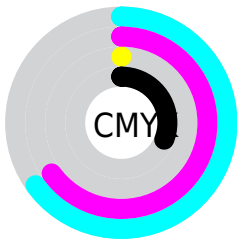
Blue (69%)



Red (24%)

Yellow (24%)

Blue (69%)

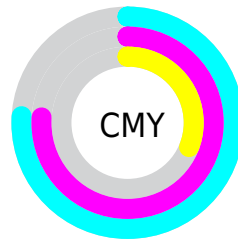


Cyan (65%)

Magenta (65%)

Yellow (0%)

Black (31%)



Cyan (76%)


Magenta (76%)


Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 71.773, 300.672 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, 71.773, 300.672 by changing the saturation by 10% instead.


 33, 71.773,
300.672


 33, 71.773,
300.672

 100, 71.773,
300.672


 23, 71.773,
300.672

 53, 71.773,
300.672


 13, 71.773,
300.672


 63, 71.773,
300.672

 3, 71.773, 300.672

 73, 71.773,
300.672

 0, 71.773, 300.672

 83, 71.773,
300.672

 93, 71.773,
300.672

■ 33, 71.773,
300.672

■ 33, 71.773,
300.672

■ 28, 83.238,
302.823

■ 39, 59.854,
298.505

■ 24, 93.028,
304.662

■ 44, 48.096,
296.493

■ 22, 99.533,
305.867

■ 51, 36.735,
294.712

■ 21, 101.834,
306.289

■ 57, 25.830,
293.174

■ 63, 15.376,
291.863

■ 69, 5.342, 290.755

■ 75, 4.301, 109.784

■ 81, 13.585,
108.988

■ 87, 22.535,
108.301

Harmonies

Complementary

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



33, 71.773, 300.672



70, 58.777, 104.319

Rectangle

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



33, 71.773, 300.672



33, 71.773, 350.672



33, 71.773, 120.672



33, 71.773, 170.672

Sweetspot

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



33, 71.773, 300.673



76, 24.752, 292.473



66, 32.992, 196.776



38, 16.965, 292.839



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



33, 71.773, 300.673



35, 107.148, 303.777



39, 70.612, 312.274



34, 5.590, 291.157



17, 91.386, 306.290



1, 13.317, 290.199

Inverse Universe

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



47, 72.229, 327.630



57, 99.450, 328.024



66, 64.013, 126.342



35, 6.747, 324.944



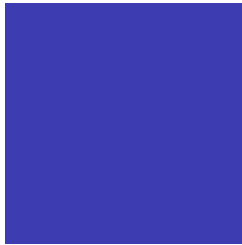
36, 78.883, 328.261



3, 16.250, 324.468

Previews

White Background



This preview shows how the CIE LCh color 33, 71.773, 300.672 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, 71.773, 300.672 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

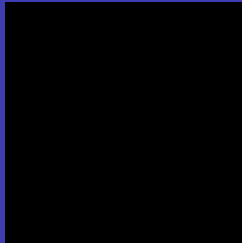
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 71.773, 300.672

Background



This preview shows how black text looks on a background with the CIELCh color 33, 71.773, 300.672.



This preview shows how white text looks on a background with the CIELCh color 33, 71.773, 300.672.

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, 71.773, 300.672

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 36.516, 271.941



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 71.773, 300.672

Protanomaly
32, 59.630, 291.494

Deuteranomaly
32, 48.846, 286.280

Tritanomaly
32, 31.637, 270.614

Monochromacy



Original Color
33, 71.773, 300.672

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 27.385, 294.914

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 71.773, 300.672 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(61, 61, 177)` looks like.

```
.text, #text, p{  
    color:rgb(61, 61, 177)  
}
```

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(61, 61, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 61, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 71.773, 300.672 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(61, 61, 177) }
```

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

```
.border{ border-color:rgb(61, 61, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 61, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 61, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 61, 177);  
box-shadow:4px 4px 4px 4px rgb(61, 61,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 71.773, 300.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 61, 177) }
```

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

```
.background{ background-color: rgb(61, 61,  
177) }
```

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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