

Converting Colors

CIELCh(33, 73.402, 301.098)

Have a look what the booklet for
CIELCh(33, 73.402, 301.098)
contains.

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Color

CIELCh(33, 73.506, 301.170)

Conversions

Conversions Part 1

Format	Color
Hex	3E3CB3
RGB	62, 60, 179
RGB Percent	24%, 24%, 70%
CMY	0.7561, 0.7642, 0.2974
CMYK	0.65, 0.66, 0.00, 0.30
HSL	241°, 50%, 47%
HSV	241°, 66%, 70%
XYZ	11.7746, 7.5373, 43.5672
YIQ	74.1640, -37.0070, 37.4330

Conversions

Conversions Part 2

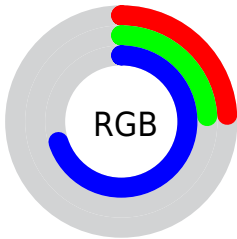
Format	Color
R _Y B	62, 60, 179
Decimal	4078771
CIE Lab	33.00, 38.05, -62.89
CIE LCh	33, 73.506, 301.170
Yxy	7.5373, 0.1873, 0.1199
Android (android.graphics.Color)	4282268851 (0xFF3E3CB3)
YUV	74.1640, 51.6841, -10.6678
Hunter-Lab	27.4541, 28.5107, -74.8702

Details

The CIELCh color **33, 73.506, 301.170** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **71, 59.981, 105.084**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 73.681, 301.202**, and **15, 71.546, 303.511** is the 20% darker color. If you saturate the color by 10%, you get **28, 84.936, 303.216**, and if you desaturate by 10%, it is **39, 61.520, 299.081**.

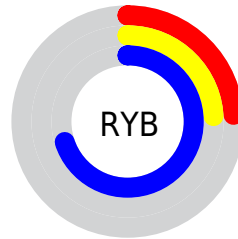
Distribution



Red (24%)

Green (24%)

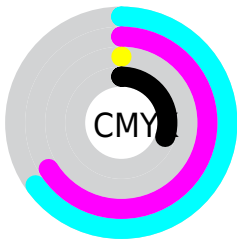
Blue (70%)



Red (24%)

Yellow (24%)

Blue (70%)

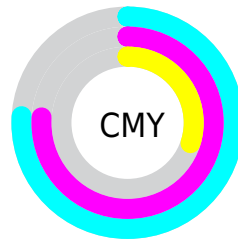


Cyan (65%)

Magenta (66%)

Yellow (0%)

Black (30%)



Cyan (76%)


Magenta (76%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 73.506, 301.170 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, 73.506, 301.170 by changing the saturation by 10% instead.


 33, 73.506,
301.170


 33, 73.506,
301.170

 100, 73.506,
301.170


 23, 73.506,
301.170

 53, 73.506,
301.170


 13, 73.506,
301.170


 63, 73.506,
301.170

 3, 73.506, 301.170

 73, 73.506,
301.170

 0, 73.506, 301.170

 83, 73.506,
301.170

 93, 73.506,
301.170

■ 33, 73.506,
301.170

■ 33, 73.506,
301.170

■ 28, 84.936,
303.216

■ 39, 61.520,
299.081

■ 24, 94.537,
304.926

■ 44, 49.643,
297.125

■ 22, 100.774,
306.010

■ 51, 38.144,
295.384

■ 21, 102.582,
306.340

■ 57, 27.098,
293.874

■ 63, 16.506,
292.584

■ 69, 6.340, 291.489

■ 75, 3.429, 110.531

■ 81, 12.831,
109.746

■ 87, 21.893,
109.067

Harmonies

Complementary

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



33, 73.506, 301.170



71, 59.981, 105.084

Rectangle

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



33, 73.506, 301.170



33, 73.506, 351.170



33, 73.506, 121.170



33, 73.506, 171.170

Sweetspot

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



33, 73.506, 301.171



77, 24.981, 293.062



66, 32.912, 198.733



39, 17.280, 293.422



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



33, 73.506, 301.171



35, 109.200, 304.118



39, 72.194, 312.780



34, 5.591, 291.785



17, 91.293, 306.352



1, 13.319, 290.706

Inverse Universe

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



47, 72.812, 328.187



57, 99.755, 328.620



67, 65.669, 126.908



35, 6.672, 325.392



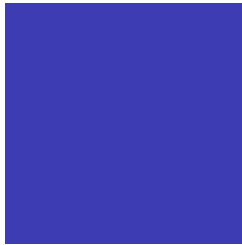
36, 77.877, 328.923



3, 15.969, 325.156

Previews

White Background



This preview shows how the CIE LCh color 33, 73.506, 301.170 looks on a white background.

Color Contrast Check

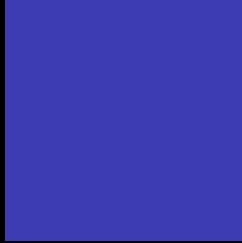
Large Text (above 18pt) WCAG AA ✓ Pass

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, 73.506, 301.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

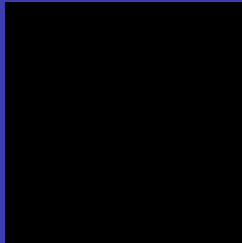
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 73.506, 301.170

Background



This preview shows how black text looks on a background with the CIELCh color 33, 73.506, 301.170.



This preview shows how white text looks on a background with the CIELCh color 33, 73.506, 301.170.

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, 73.506, 301.170

Protanopia

33, 52.458, 285.891

Deuteranopia

33, 36.516, 271.941



Tritanopia
33, 21.928, 208.419

Trichromacy



Original Color
33, 73.506, 301.170

Protanomaly
33, 60.201, 291.767

Deuteranomaly
32, 49.417, 286.689

Tritanomaly
32, 31.595, 270.829

Monochromacy



Original Color
33, 73.506, 301.170

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 27.388, 295.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 73.506, 301.170 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(62, 60, 179)` looks like.

```
.text, #text, p{  
    color:rgb(62, 60, 179)  
}
```

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(62, 60, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 60, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 73.506, 301.170 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(62, 60, 179) }
```

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

```
.border{ border-color:rgb(62, 60, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 60, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 60, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 60, 179);  
box-shadow:4px 4px 4px 4px rgb(62, 60,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 73.506, 301.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 60, 179) }
```

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

```
.background{ background-color: rgb(62, 60,  
179) }
```

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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