

Converting Colors

CIELCh(33, 36.663, 293.530)

Have a look what the booklet for
CIELCh(33, 36.663, 293.530)
contains.

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Color

CIELCh(33, 36.450, 293.237)

Conversions

Conversions Part 1

Format	Color
Hex	434983
RGB	67, 73, 131
RGB Percent	26%, 29%, 51%
CMY	0.7385, 0.7149, 0.4876
CMYK	0.49, 0.44, 0.00, 0.49
HSL	234°, 32%, 39%
HSV	234°, 49%, 51%
XYZ	8.7292, 7.5373, 22.3486
YIQ	77.8180, -22.1940, 16.7660

Conversions

Conversions Part 2

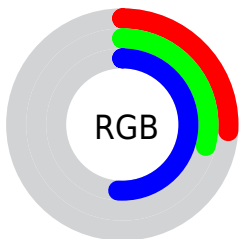
Format	Color
R_{YB}	67, 72, 131
Decimal	4409731
CIE _{Lab}	33.00, 14.38, -33.49
CIE _{LCh}	33, 36.450, 293.237
Yxy	7.5373, 0.2261, 0.1952
Android (android.graphics.Color)	4282599811 (0xFF434983)
YUV	77.8180, 26.2187, -9.4874
Hunter-Lab	27.4541, 8.7106, -29.0463

Details

The CIELCh color **33, 36.450, 293.237** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **52, 32.852, 101.085**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 36.462, 293.515**, and **13, 36.267, 293.041** is the 20% darker color. If you saturate the color by 10%, you get **29, 44.734, 295.404**, and if you desaturate by 10%, it is **37, 28.456, 291.327**.

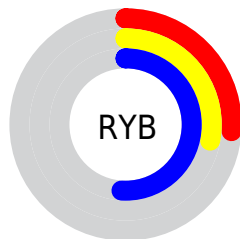
Distribution



Red (26%)

Green (29%)

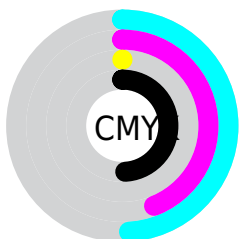
Blue (51%)



Red (26%)

Yellow (28%)

Blue (51%)

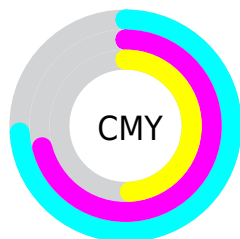


Cyan (49%)

Magenta (44%)

Yellow (0%)

Black (49%)



Cyan (74%)


Magenta (71%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 36.450, 293.237 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, 36.450, 293.237 by changing the saturation by 10% instead.


 33, 36.450,
293.237


 33, 36.450,
293.237

 100, 36.450,
293.237


 23, 36.450,
293.237

 53, 36.450,
293.237


 13, 36.450,
293.237


 63, 36.450,
293.237

 3, 36.450, 293.237

 73, 36.450,
293.237

 0, 36.450, 293.237

 83, 36.450,
293.237

 93, 36.450,
293.237

■ 33, 36.450,
293.237

■ 33, 36.450,
293.237

■ 29, 44.734,
295.404

■ 37, 28.456,
291.327

■ 25, 53.230,
297.780

■ 42, 20.763,
289.672

■ 21, 61.691,
300.246

■ 46, 13.355,
288.252

■ 18, 69.576,
302.586

■ 51, 6.210, 287.039

■ 15, 76.060,
304.432

■ 55, 0.690, 105.872

■ 15, 76.620,
304.570

■ 59, 7.364, 105.072

■ 64, 13.826,
104.300

■ 68, 20.091,
103.627

■ 72, 26.168,
103.039

Harmonies

Complementary

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



33, 36.450, 293.237



52, 32.852, 101.085

Rectangle

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



33, 36.450, 293.237



33, 36.450, 343.237



33, 36.450, 113.237



33, 36.450, 163.237

Sweetspot

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



33, 36.449, 293.238



62, 13.061, 287.789



50, 22.376, 187.427



31, 9.009, 288.016



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



33, 36.449, 293.238



38, 55.862, 295.726



34, 40.988, 308.367



26, 3.951, 287.058



15, 76.336, 304.562



0, 0.933, 286.083

Inverse Universe

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



36, 29.439, 17.622



44, 44.949, 20.253



51, 37.577, 123.152



26, 3.069, 12.263



26, 59.327, 34.611



0, 0.715, 11.615

Previews

White Background



This preview shows how the CIE LCh color 33, 36.450, 293.237 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, 36.450, 293.237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

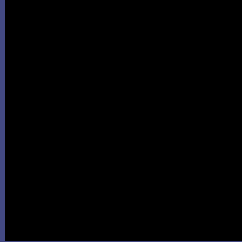
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 36.450, 293.237

Background



This preview shows how black text looks on a background with the CIELCh color 33, 36.450, 293.237.



This preview shows how white text looks on a background with the CIELCh color 33, 36.450, 293.237.

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, 36.450, 293.237

Protanopia

33, 36.083, 285.298

Deuteranopia

33, 32.885, 278.550



Tritanopia
33, 11.243, 221.376

Trichromacy



Original Color
33, 36.450, 293.237

Protanomaly
33, 35.959, 287.715

Deuteranomaly
33, 34.289, 284.245

Tritanomaly
33, 16.947, 268.318

Monochromacy



Original Color
33, 36.450, 293.237

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 13.262, 289.120

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 36.450, 293.237 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(67, 73, 131)` looks like.

```
.text, #text, p{  
    color:rgb(67, 73, 131)  
}
```

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(67, 73, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 73, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 36.450, 293.237 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(67, 73, 131) }
```

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

```
.border{ border-color:rgb(67, 73, 131) }
```

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

Here you see how a box with a 4 pixel rgb(67, 73, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 73, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 73, 131);  
box-shadow:4px 4px 4px 4px rgb(67, 73,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 36.450, 293.237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 73, 131) }
```

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

```
.background{ background-color: rgb(67, 73,  
131) }
```

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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