

Converting Colors

CIELCh(33, 49.576, 299.855)

Have a look what the booklet for
CIELCh(33, 49.576, 299.855)
contains.

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Color

CIELCh(33, 49.576, 299.855)

Conversions

Conversions Part 1

Format	Color
Hex	494392
RGB	73, 67, 146
RGB Percent	29%, 26%, 57%
CMY	0.7130, 0.7366, 0.4267
CMYK	0.50, 0.54, 0.00, 0.43
HSL	245°, 37%, 42%
HSV	245°, 54%, 57%
XYZ	9.9801, 7.5373, 28.1962
YIQ	77.8000, -21.7830, 25.8410

Conversions

Conversions Part 2

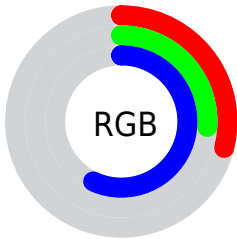
Format	Color
R_{YB}	73, 67, 146
Decimal	4801426
CIE _{Lab}	33.00, 24.68, -43.00
CIE _{LCh}	33, 49.576, 299.855
Yxy	7.5373, 0.2183, 0.1649
Android (android.graphics.Color)	4282991506 (0xFF494392)
YUV	77.8000, 33.6226, -4.2096
Hunter-Lab	27.4541, 16.8437, -41.6748

Details

The CIELCh color **33, 49.576, 299.855** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **59, 42.848, 108.840**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 49.953, 300.053**, and **13, 49.716, 299.889** is the 20% darker color. If you saturate the color by 10%, you get **28, 59.649, 301.600**, and if you desaturate by 10%, it is **38, 39.653, 298.237**.

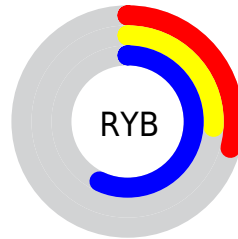
Distribution



Red (29%)

Green (26%)

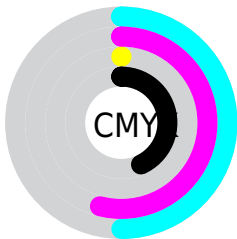
Blue (57%)



Red (29%)

Yellow (26%)

Blue (57%)

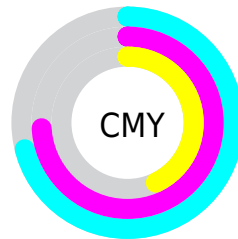


Cyan (50%)

Magenta (54%)

Yellow (0%)

Black (43%)



Cyan (71%)


Magenta (74%)


Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 49.576, 299.855 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, 49.576, 299.855 by changing the saturation by 10% instead.


 33, 49.576,
299.855

 33, 49.576,
299.855

 100, 49.576,
299.855


 23, 49.576,
299.855

 53, 49.576,
299.855


 13, 49.576,
299.855


 63, 49.576,
299.855

 3, 49.576, 299.855

 73, 49.576,
299.855

 0, 49.576, 299.855

 83, 49.576,
299.855

 93, 49.576,
299.855

■ 33, 49.576,
299.855

■ 33, 49.576,
299.855

■ 28, 59.649,
301.600

■ 38, 39.653,
298.237

■ 24, 69.469,
303.353

■ 43, 30.045,
296.794

■ 20, 78.227,
304.903

■ 48, 20.799,
295.536

■ 18, 84.725,
305.981

■ 53, 11.917,
294.451

■ 16, 87.963,
306.587

■ 59, 3.380, 293.526

■ 64, 4.835, 112.714

■ 69, 12.748,
112.033

■ 74, 20.383,
111.446

■ 79, 27.757,
110.941

Harmonies

Complementary

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



33, 49.576, 299.855



59, 42.848, 108.840

Rectangle

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



33, 49.576, 299.855



33, 49.576, 349.855



33, 49.576, 119.855



33, 49.576, 169.855

Sweetspot

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



33, 49.576, 299.856



67, 16.960, 294.684



54, 23.446, 204.764



34, 11.583, 294.879



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 49.576, 299.856



37, 75.554, 302.011



37, 50.305, 313.775



29, 4.790, 293.983



15, 84.190, 306.608



0, 4.122, 293.178

Inverse Universe

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



41, 50.491, 329.520



50, 72.566, 330.115



56, 47.170, 128.952



29, 5.482, 327.050



32, 68.939, 331.438



1, 4.767, 326.563

Previews

White Background



This preview shows how the CIELCh color 33, 49.576, 299.855 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, 49.576, 299.855 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

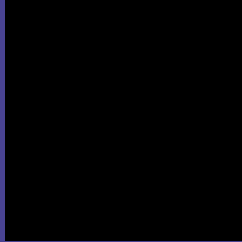
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 49.576, 299.855

Background



This preview shows how black text looks on a background with the CIELCh color 33, 49.576, 299.855.



This preview shows how white text looks on a background with the CIELCh color 33, 49.576, 299.855.

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





Tritanopia
33, 10.475, 219.460

Trichromacy



Original Color
33, 49.576, 299.855

Protanomaly
33, 50.279, 290.582

Deuteranomaly
32, 42.791, 282.918

Tritanomaly
33, 20.614, 279.078

Monochromacy



Original Color
33, 49.576, 299.855

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 18.372, 295.658

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 49.576, 299.855 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(73, 67, 146)` looks like.

```
.text, #text, p{  
  color:rgb(73, 67, 146)  
}
```

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(73, 67, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 67, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 49.576, 299.855 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(73, 67, 146) }
```

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

```
.border{ border-color:rgb(73, 67, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 67, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 67, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 67, 146);  
box-shadow:4px 4px 4px 4px rgb(73, 67,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 49.576, 299.855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 67, 146) }
```

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

```
.background{ background-color: rgb(73, 67,  
146) }
```

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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