

Converting Colors

CIELCh(33, 26.437, 295.603)

Have a look what the booklet for
CIELCh(33, 26.437, 295.603)
contains.

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Color

CIELCh(33, 26.539, 296.113)

Conversions

Conversions Part 1

Format	Color
Hex	4B4973
RGB	75, 73, 115
RGB Percent	29%, 29%, 45%
CMY	0.7051, 0.7130, 0.5482
CMYK	0.35, 0.36, 0.00, 0.55
HSL	243°, 22%, 37%
HSV	243°, 36%, 45%
XYZ	8.4195, 7.5373, 17.2946
YIQ	78.3860, -12.2900, 13.4860

Conversions

Conversions Part 2

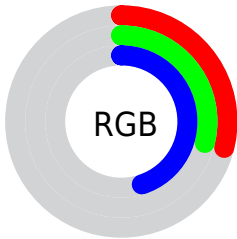
Format	Color
R_{YB}	75, 73, 115
Decimal	4934003
CIE _{Lab}	33.00, 11.68, -23.83
CIE _{LCh}	33, 26.539, 296.113
Yxy	7.5373, 0.2532, 0.2267
Android (android.graphics.Color)	4283124083 (0xFF4B4973)
YUV	78.3860, 18.0507, -2.9695
Hunter-Lab	27.4541, 6.6971, -18.1316

Details

The CIELCh color $[33, 26.539, 296.113]$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $[47, 24.344, 108.975]$, and the grayscale version is $[33, 0.005, 296.813]$.

A 20% lighter version of the original color is $[53, 26.130, 295.591]$, and $[13, 26.445, 295.879]$ is the 20% darker color. If you saturate the color by 10%, you get $[29, 34.494, 297.645]$, and if you desaturate by 10%, it is $[37, 18.880, 294.775]$.

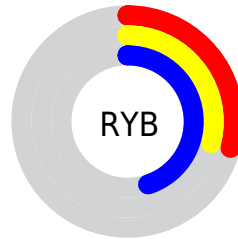
Distribution



Red (29%)

Green (29%)

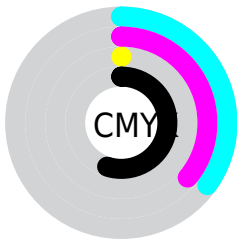
Blue (45%)



Red (29%)

Yellow (29%)

Blue (45%)

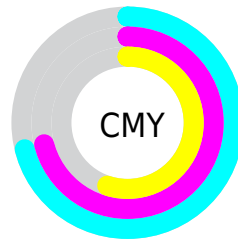


Cyan (35%)

Magenta (36%)

Yellow (0%)

Black (55%)



Cyan (71%)


Magenta (71%)


Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 26.539, 296.113 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, 26.539, 296.113 by changing the saturation by 10% instead.


 33, 26.539,
296.113


 33, 26.539,
296.113

 100, 26.539,
296.113


 23, 26.539,
296.113

 53, 26.539,
296.113


 13, 26.539,
296.113


 63, 26.539,
296.113

 3, 26.539, 296.113

 73, 26.539,
296.113

 0, 26.539, 296.113

 83, 26.539,
296.113

 93, 26.539,
296.113

■ 33, 26.539,
296.113

■ 33, 26.539,
296.113

■ 29, 34.494,
297.645

■ 37, 18.880,
294.775

■ 25, 42.706,
299.359

■ 42, 11.520,
293.621

■ 21, 51.033,
301.203

■ 46, 4.443, 292.633

■ 17, 59.127,
303.050

■ 50, 2.370, 111.762

■ 54, 8.936, 111.041

■ 14, 66.304,
304.682

■ 58, 15.273,
110.414

■ 12, 72.016,
305.998

■ 62, 21.397,
109.872

■ 11, 74.137,
306.534

■ 67, 27.321,
109.402

■ 71, 33.058,
108.995

Harmonies

Complementary

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



33, 26.539, 296.113



47, 24.344, 108.975

Rectangle

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



33, 26.539, 296.113



33, 26.539, 346.113



33, 26.539, 116.113



33, 26.539, 166.113

Sweetspot

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



33, 26.538, 296.113



56, 9.481, 293.089



45, 14.730, 201.066



29, 6.433, 293.192



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



33, 26.538, 296.113



39, 40.538, 297.431



35, 27.612, 311.867



22, 3.940, 292.873



12, 77.438, 306.518



32, 131.572, 306.385

Inverse Universe

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



37, 29.415, 327.676



46, 43.743, 328.116



46, 26.391, 128.623



23, 4.605, 326.203



28, 64.744, 330.157



58, 109.545, 330.270

Previews

White Background



This preview shows how the CIE LCh color 33, 26.539, 296.113 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, 26.539, 296.113 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

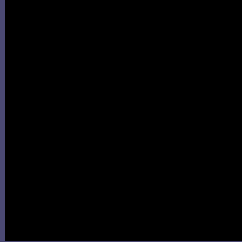
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 26.539, 296.113

Background



This preview shows how black text looks on a background with the CIELCh color 33, 26.539, 296.113.

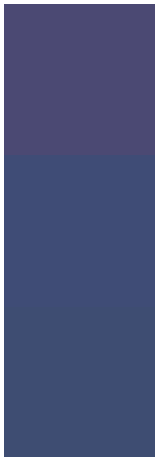


This preview shows how white text looks on a background with the CIELCh color 33, 26.539, 296.113.

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, 26.539, 296.113

Protanopia

33, 26.613, 285.413

Deuteranopia

33, 23.618, 281.836



Tritanopia
33, 5.903, 247.609

Trichromacy



Original Color
33, 26.539, 296.113

Protanomaly
33, 26.509, 288.823

Deuteranomaly
33, 24.018, 286.852

Tritanomaly
33, 12.755, 281.958

Monochromacy



Original Color
33, 26.539, 296.113

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 9.469, 294.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 26.539, 296.113 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(75, 73, 115)` looks like.

```
.text, #text, p{  
    color:rgb(75, 73, 115)  
}
```

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(75, 73, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 73, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 26.539, 296.113 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(75, 73, 115) }
```

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

```
.border{ border-color:rgb(75, 73, 115) }
```

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

Here you see how a box with a 4 pixel rgb(75, 73, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 73, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 73, 115);  
box-shadow:4px 4px 4px 4px rgb(75, 73,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 26.539, 296.113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 73, 115) }
```

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

```
.background{ background-color: rgb(75, 73,  
115) }
```

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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