

Converting Colors

CIELCh(33, 29.577, 296.183)

Have a look what the booklet for
CIELCh(33, 29.577, 296.183)
contains.

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Color

CIELCh(33, 29.633, 295.728)

Conversions

Conversions Part 1

Format	Color
Hex	4A4978
RGB	74, 73, 120
RGB Percent	29%, 29%, 47%
CMY	0.7106, 0.7145, 0.5303
CMYK	0.38, 0.39, 0.00, 0.53
HSL	241°, 24%, 38%
HSV	241°, 39%, 47%
XYZ	8.5543, 7.5373, 18.7037
YIQ	78.6570, -14.4910, 14.8290

Conversions

Conversions Part 2

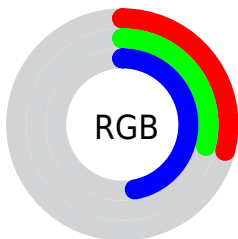
Format	Color
R_{YB}	74, 73, 120
Decimal	4868472
CIE _{Lab}	33.00, 12.86, -26.70
CIE _{LCh}	33, 29.633, 295.728
Yxy	7.5373, 0.2458, 0.2166
Android (android.graphics.Color)	4283058552 (0xFF4A4978)
YUV	78.6570, 20.3821, -4.0842
Hunter-Lab	27.4541, 7.5731, -21.1748

Details

The CIELCh color $33, 29.633, 295.728$ is a dark color, and the websafe version is hex 333366 . A complement of this color would be $49, 26.942, 107.529$, and the grayscale version is $33, 0.005, 296.813$.

A 20% lighter version of the original color is $53, 29.573, 295.667$, and $13, 29.220, 295.540$ is the 20% darker color. If you saturate the color by 10%, you get $29, 37.943, 297.423$, and if you desaturate by 10%, it is $37, 21.632, 294.247$.

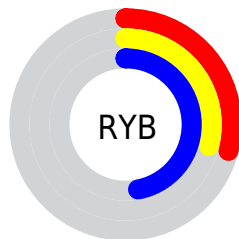
Distribution



Red (29%)

Green (29%)

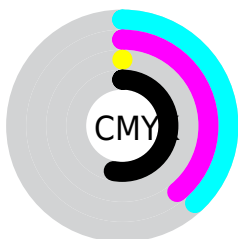
Blue (47%)



Red (29%)

Yellow (29%)

Blue (47%)

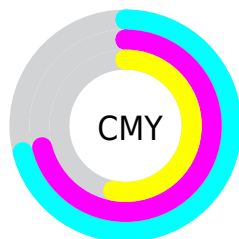


Cyan (38%)

Magenta (39%)

Yellow (0%)

Black (53%)



Cyan (71%)


Magenta (71%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 29.633, 295.728 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, 29.633, 295.728 by changing the saturation by 10% instead.


 33, 29.633,
295.728


 33, 29.633,
295.728

 100, 29.633,
295.728


 23, 29.633,
295.728

 53, 29.633,
295.728


 13, 29.633,
295.728


 63, 29.633,
295.728

 3, 29.633, 295.728

 73, 29.633,
295.728

 0, 29.633, 295.728

 83, 29.633,
295.728

 93, 29.633,
295.728

■ 33, 29.633,
295.728

■ 33, 29.633,
295.728

■ 29, 37.943,
297.423

■ 37, 21.632,
294.247

■ 24, 46.504,
299.310

■ 42, 13.948,
292.971

■ 20, 55.119,
301.313

■ 46, 6.565, 291.881

■ 17, 63.324,
303.265

■ 51, 0.537, 110.867

■ 55, 7.380, 110.133

■ 14, 70.260,
304.905

■ 59, 13.980,
109.448

■ 12, 75.922,
306.274

■ 64, 20.355,
108.857

■ 12, 76.403,
306.391

■ 68, 26.520,
108.346

■ 72, 32.488,
107.903

Harmonies

Complementary

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



33, 29.633, 295.728



49, 26.942, 107.529

Rectangle

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



33, 29.633, 295.728



33, 29.633, 345.728



33, 29.633, 115.728



33, 29.633, 165.728

Sweetspot

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



33, 29.632, 295.728



58, 10.643, 292.197



47, 16.436, 199.278



29, 7.128, 292.303



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



33, 29.632, 295.728



38, 44.780, 297.233



35, 30.661, 311.471



22, 3.938, 291.860



12, 77.600, 306.389



32, 131.690, 306.330

Inverse Universe

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



38, 33.168, 327.041



46, 48.628, 327.467



47, 29.126, 127.906



23, 4.690, 325.457



28, 66.071, 329.056



59, 111.917, 329.102

Previews

White Background



This preview shows how the CIE LCh color 33, 29.633, 295.728 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, 29.633, 295.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

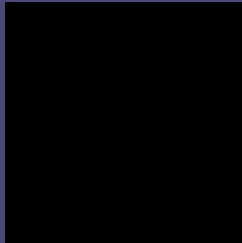
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 29.633, 295.728

Background



This preview shows how black text looks on a background with the CIELCh color 33, 29.633, 295.728.



This preview shows how white text looks on a background with the CIELCh color 33, 29.633, 295.728.

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

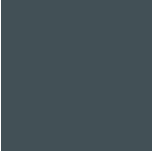
33, 29.633, 295.728

Protanopia

33, 29.768, 285.425

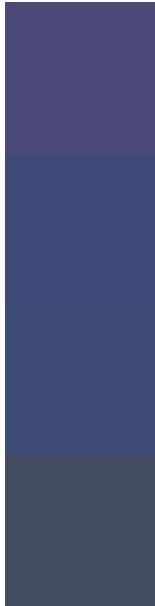
Deuteranopia

33, 26.884, 280.999



Tritanopia
33, 6.669, 233.464

Trichromacy



Original Color
33, 29.633, 295.728

Protanomaly
33, 29.637, 288.868

Deuteranomaly
33, 27.855, 286.804

Tritanomaly
33, 13.495, 279.490

Monochromacy



Original Color
33, 29.633, 295.728

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 10.736, 292.040

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 29.633, 295.728 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(74, 73, 120)` looks like.

```
.text, #text, p{  
    color:rgb(74, 73, 120)  
}
```

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(74, 73, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 73, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 29.633, 295.728 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(74, 73, 120) }
```

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

```
.border{ border-color:rgb(74, 73, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 73, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 73, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 73, 120);  
box-shadow:4px 4px 4px 4px rgb(74, 73,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 29.633, 295.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 73, 120) }
```

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

```
.background{ background-color: rgb(74, 73,  
120) }
```

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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