

Converting Colors

CIELCh(33, 43.212, 294.250)

Have a look what the booklet for
CIELCh(33, 43.212, 294.250)
contains.

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Color

CIELCh(33, 43.327, 294.524)

Conversions

Conversions Part 1

Format	Color
Hex	40478C
RGB	64, 71, 140
RGB Percent	25%, 28%, 55%
CMY	0.7479, 0.7206, 0.4499
CMYK	0.54, 0.49, 0.00, 0.45
HSL	235°, 37%, 40%
HSV	235°, 54%, 55%
XYZ	9.1542, 7.5373, 25.8878
YIQ	76.7730, -26.3210, 19.9750

Conversions

Conversions Part 2

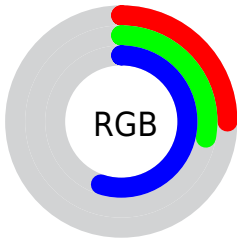
Format	Color
R_{YB}	64, 70, 140
Decimal	4212620
CIE _{Lab}	33.00, 17.98, -39.42
CIE _{LCh}	33, 43.327, 294.524
Yxy	7.5373, 0.2150, 0.1770
Android (android.graphics.Color)	4282402700 (0xFF40478C)
YUV	76.7730, 31.1709, -11.2019
Hunter-Lab	27.4541, 11.4737, -36.6896

Details

The CIELCh color **33, 43.327, 294.524** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **55, 38.330, 100.673**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 43.405, 294.490**, and **13, 43.241, 294.859** is the 20% darker color. If you saturate the color by 10%, you get **29, 52.279, 296.828**, and if you desaturate by 10%, it is **38, 34.651, 292.461**.

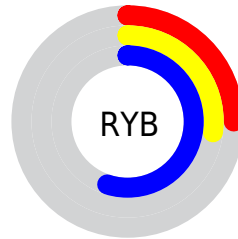
Distribution



 Red (25%)

 Green (28%)

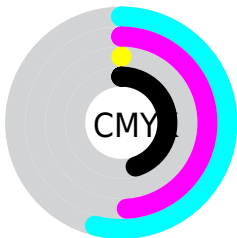
 Blue (55%)




 Red (25%)

 Yellow (27%)

 Blue (55%)

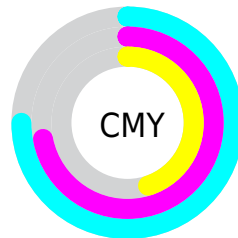


 Cyan (54%)

 Magenta (49%)

 Yellow (0%)

 Black (45%)



 Cyan (75%)


 Magenta (72%)


 Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 43.327, 294.524 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, 43.327, 294.524 by changing the saturation by 10% instead.


 33, 43.327,
294.524


 33, 43.327,
294.524

 100, 43.327,
294.524


 23, 43.327,
294.524

 53, 43.327,
294.524


 13, 43.327,
294.524


 63, 43.327,
294.524

 3, 43.327, 294.524

 73, 43.327,
294.524

 0, 43.327, 294.524

 83, 43.327,
294.524

 93, 43.327,
294.524

■ 33, 43.327,
294.524

■ 33, 43.327,
294.524

■ 29, 52.279,
296.828

■ 38, 34.651,
292.461

■ 24, 61.333,
299.283

■ 42, 26.297,
290.659

■ 21, 70.053,
301.712

■ 47, 18.259,
289.108

■ 18, 77.619,
303.842

■ 52, 10.518,
287.781

■ 16, 81.148,
304.741

■ 56, 3.049, 286.661

■ 61, 4.166, 105.640

■ 66, 11.147,
104.811

■ 70, 17.908,
104.087

■ 75, 24.462,
103.456

Harmonies

Complementary

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



33, 43.327, 294.524



55, 38.330, 100.673

Rectangle

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



33, 43.327, 294.524



33, 43.327, 344.524



33, 43.327, 114.524



33, 43.327, 164.524

Sweetspot

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



33, 43.327, 294.525



65, 14.845, 288.052



54, 25.581, 186.971



33, 10.018, 288.281



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



33, 43.327, 294.525



37, 66.211, 297.372



34, 48.250, 308.737



28, 4.216, 287.196



16, 78.819, 304.681



0, 2.807, 286.210

Inverse Universe

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



37, 34.876, 19.018



45, 52.846, 22.290



55, 43.711, 122.938



28, 3.265, 12.488



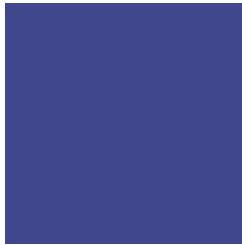
27, 61.270, 35.000



0, 2.144, 11.833

Previews

White Background



This preview shows how the CIE LCh color 33, 43.327, 294.524 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, 43.327, 294.524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

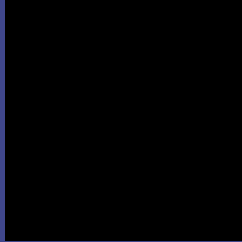
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 43.327, 294.524

Background



This preview shows how black text looks on a background with the CIELCh color 33, 43.327, 294.524.



This preview shows how white text looks on a background with the CIELCh color 33, 43.327, 294.524.

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, 43.327, 294.524

Protanopia

33, 43.606, 286.337

Deuteranopia

33, 38.328, 276.503



Tritanopia
33, 13.815, 216.519

Trichromacy



Original Color
33, 43.327, 294.524

Protanomaly
33, 43.450, 288.702

Deuteranomaly
33, 40.202, 282.539

Tritanomaly
33, 19.810, 267.333

Monochromacy



Original Color
33, 43.327, 294.524

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 15.819, 288.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 43.327, 294.524 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(64, 71, 140)` looks like.

```
.text, #text, p{  
    color:rgb(64, 71, 140)  
}
```

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(64, 71, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 71, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 43.327, 294.524 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(64, 71, 140) }
```

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

```
.border{ border-color:rgb(64, 71, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 71, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 71, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 71, 140);  
box-shadow:4px 4px 4px 4px rgb(64, 71,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 43.327, 294.524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 71, 140) }
```

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

```
.background{ background-color: rgb(64, 71,  
140) }
```

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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