

Converting Colors

CIELCh(33, 29.778, 332.203)

Have a look what the booklet for
CIELCh(33, 29.778, 332.203)
contains.

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Color

CIELCh(33, 29.741, 332.181)

Conversions

Conversions Part 1

Format	Color
Hex	6C3E64
RGB	108, 62, 100
RGB Percent	42%, 24%, 39%
CMY	0.5768, 0.7572, 0.6082
CMYK	0.00, 0.43, 0.07, 0.58
HSL	310°, 27%, 33%
HSV	310°, 43%, 42%
XYZ	10.1877, 7.5373, 12.9526
YIQ	80.0860, 15.2180, 21.5700

Conversions

Conversions Part 2

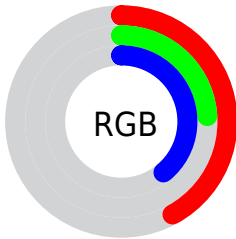
Format	Color
R_{YB}	108, 62, 100
Decimal	7093860
CIE _{Lab}	33.00, 26.30, -13.88
CIE _{LCh}	33, 29.741, 332.181
Yxy	7.5373, 0.3321, 0.2457
Android (android.graphics.Color)	4285283940 (0xFF6C3E64)
YUV	80.0860, 9.8176, 24.4806
Hunter-Lab	27.4541, 18.1935, -8.7546

Details

The CIELCh color **33, 29.741, 332.181** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **41, 29.703, 146.353**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 29.539, 331.858**, and **13, 29.799, 332.353** is the 20% darker color. If you saturate the color by 10%, you get **31, 36.138, 332.817**, and if you desaturate by 10%, it is **36, 22.932, 331.556**.

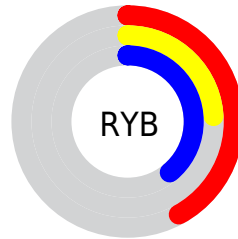
Distribution



Red (42%)

Green (24%)

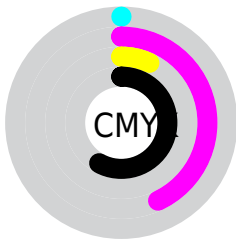
Blue (39%)



Red (42%)

Yellow (24%)

Blue (39%)

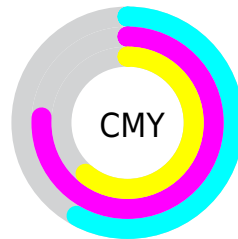


Cyan (0%)

Magenta (43%)

Yellow (7%)

Black (58%)



Cyan (58%)


Magenta (76%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 29.741, 332.181 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, 29.741, 332.181 by changing the saturation by 10% instead.


 33, 29.741,
332.181


 33, 29.741,
332.181

 100, 29.741,
332.181


 23, 29.741,
332.181

 53, 29.741,
332.181


 13, 29.741,
332.181


 63, 29.741,
332.181

 3, 29.741, 332.181

 73, 29.741,
332.181

 0, 29.741, 332.181

 83, 29.741,
332.181

 93, 29.741,
332.181

33, 29.741,
332.181

33, 29.741,
332.181

31, 36.138,
332.817

36, 22.932,
331.556

28, 41.877,
333.465

39, 15.918,
330.942

26, 46.678,
334.132

42, 8.848, 330.338

25, 50.280,
334.831

45, 1.827, 329.677

48, 5.077, 149.264

24, 52.538,
335.580

51, 11.823,
148.709

23, 53.926,
336.132

54, 18.388,
148.194

58, 24.765,
147.706

■ 61, 30.952,
147.244

Harmonies

Complementary

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



33, 29.741, 332.181



41, 29.703, 146.353

Rectangle

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



33, 29.741, 332.181



33, 29.741, 22.181



33, 29.741, 152.181



33, 29.741, 202.181

Sweetspot

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



33, 29.739, 332.181



53, 11.306, 330.382



29, 29.810, 300.557



27, 7.980, 330.488



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



33, 29.739, 332.181



40, 43.451, 332.802



32, 22.307, 358.479



21, 3.907, 330.115



26, 57.156, 336.220



56, 97.621, 336.786

Inverse Universe

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



33, 29.739, 332.181



40, 43.451, 332.802



42, 20.072, 169.516



21, 3.907, 330.115



26, 57.156, 336.220



56, 97.621, 336.786

Previews

White Background



This preview shows how the CIELCh color 33, 29.741, 332.181 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, 29.741, 332.181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

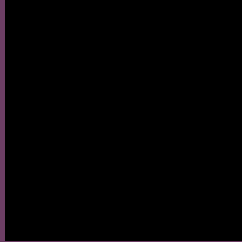
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 29.741, 332.181

Background



This preview shows how black text looks on a background with the CIELCh color 33, 29.741, 332.181.



This preview shows how white text looks on a background with the CIELCh color 33, 29.741, 332.181.

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, 29.741, 332.181

Protanopia

33, 21.552, 284.481

Deuteranopia

33, 12.596, 290.560



Tritanopia
33, 17.110, 11.999

Trichromacy



Original Color
33, 29.741, 332.181

Protanomaly
33, 22.505, 303.432

Deuteranomaly
33, 17.675, 314.065

Tritanomaly
33, 20.223, 351.642

Monochromacy



Original Color
33, 29.741, 332.181

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 11.412, 330.780

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 29.741, 332.181 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(108, 62, 100)` looks like.

```
.text, #text, p{  
    color:rgb(108, 62, 100)  
}
```

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(108, 62, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 62, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 29.741, 332.181 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(108, 62, 100) }
```

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

```
.border{ border-color:rgb(108, 62, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 62, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 62, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 62, 100);  
box-shadow:4px 4px 4px 4px rgb(108, 62,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 29.741, 332.181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 62, 100) }
```

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

```
.background{ background-color: rgb(108, 62,  
100) }
```

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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