

Converting Colors

CIELCh(33, 29.126, 272.225)

Have a look what the booklet for
CIELCh(33, 29.126, 272.225)
contains.

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Color

CIELCh(33, 29.162, 272.392)

Conversions

Conversions Part 1

Format	Color
Hex	284F7B
RGB	40, 79, 123
RGB Percent	16%, 31%, 48%
CMY	0.8449, 0.6885, 0.5158
CMYK	0.68, 0.36, 0.00, 0.52
HSL	211°, 51%, 32%
HSV	211°, 68%, 48%
XYZ	7.2885, 7.5373, 19.9631
YIQ	72.3550, -37.3680, 5.4160

Conversions

Conversions Part 2

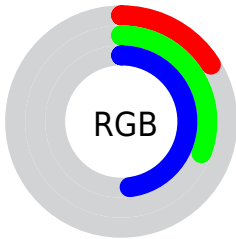
Format	Color
R_{YB}	40, 67, 123
Decimal	2641787
CIE _{Lab}	33.00, 1.22, -29.14
CIE _{LCh}	33, 29.162, 272.392
Yxy	7.5373, 0.2095, 0.2167
Android (android.graphics.Color)	4280831867 (0xFF284F7B)
YUV	72.3550, 24.9680, -28.3753
Hunter-Lab	27.4541, -0.6565, -23.8944




Details

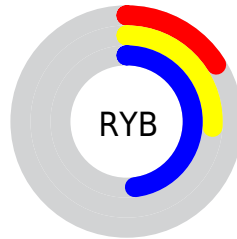
The CIELCh color **33, 29.162, 272.392** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **39, 33.991, 69.499**, and the grayscale version is **31, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 29.164, 272.499**, and **14, 28.189, 281.683** is the 20% darker color. If you saturate the color by 10%, you get **30, 33.334, 275.986**, and if you desaturate by 10%, it is **36, 24.991, 269.231**.

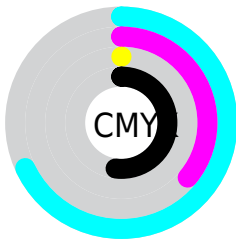
Distribution







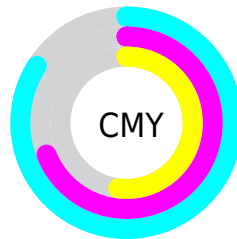
-  Red (16%)
-  Green (31%)
-  Blue (48%)






-  Red (16%)
-  Yellow (26%)
-  Blue (48%)



-  Cyan (68%)
-  Magenta (36%)
-  Yellow (0%)
-  Black (52%)





-  Cyan (84%)
-  Magenta (69%)
-  Yellow (52%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 29.162, 272.392 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, 29.162, 272.392 by changing the saturation by 10% instead.


 33, 29.162,
272.392


 33, 29.162,
272.392

 100, 29.162,
272.392


 23, 29.162,
272.392

 53, 29.162,
272.392


 13, 29.162,
272.392


 63, 29.162,
272.392

 3, 29.162, 272.392

 73, 29.162,
272.392

 0, 29.162, 272.392

 83, 29.162,
272.392

 93, 29.162,
272.392

■ 33, 29.162,
272.392

■ 33, 29.162,
272.392

■ 30, 33.334,
275.986

■ 36, 24.991,
269.231

■ 28, 37.556,
279.952

■ 38, 20.788,
266.499

■ 26, 41.902,
284.002

■ 41, 16.536,
264.168

■ 25, 42.810,
284.753

■ 44, 12.234,
262.188

■ 47, 7.888, 260.513

■ 50, 3.510, 259.116

■ 52, 0.888, 77.543

■ 55, 5.292, 76.716

■ 58, 9.692, 75.822

Harmonies

Complementary

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



33, 29.162, 272.392



39, 33.991, 69.499

Rectangle

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



33, 29.162, 272.392



33, 29.162, 322.392



33, 29.162, 92.392



33, 29.162, 142.392

Sweetspot

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



33, 29.161, 272.393



59, 10.880, 260.907



46, 38.267, 156.909



30, 7.475, 261.288



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



33, 29.161, 272.393



39, 43.431, 278.332



22, 55.437, 301.028



24, 2.461, 259.253



26, 43.232, 284.812



52, 76.788, 287.309

Inverse Universe

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



30, 40.477, 353.358



36, 56.088, 357.320



50, 45.357, 105.090



24, 3.416, 345.694



26, 49.907, 2.727



54, 83.806, 5.347

Previews

White Background



This preview shows how the CIE LCh color 33, 29.162, 272.392 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, 29.162, 272.392 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

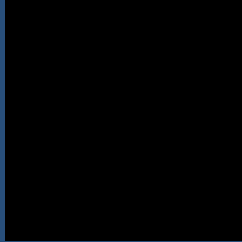
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 29.162, 272.392

Background



This preview shows how black text looks on a background with the CIELCh color 33, 29.162, 272.392.



This preview shows how white text looks on a background with the CIELCh color 33, 29.162, 272.392.

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, 29.100, 272.769

Protanopia

33, 27.908, 284.907

Deuteranopia

33, 29.573, 279.231



Tritanopia
33, 20.308, 209.560

Trichromacy



Original Color
33, 29.100, 272.769

Protanomaly
33, 28.286, 279.796

Deuteranomaly
33, 29.231, 276.283

Tritanomaly
33, 20.478, 236.040

Monochromacy



Original Color
33, 29.100, 272.769

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 11.302, 263.807

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 29.162, 272.392 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(40, 79, 123)` looks like.

```
.text, #text, p{  
    color:rgb(40, 79, 123)  
}
```

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(40, 79, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 79, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 29.162, 272.392 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(40, 79, 123) }
```

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

```
.border{ border-color:rgb(40, 79, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 79, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 79, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 79, 123);  
box-shadow:4px 4px 4px 4px rgb(40, 79,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 29.162, 272.392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 79, 123) }
```

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

```
.background{ background-color: rgb(40, 79,  
123) }
```

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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