

Converting Colors

CIELCh(28, 55.971, 219.084)

Have a look what the booklet for
CIELCh(28, 55.971, 219.084)
contains.

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Color

CIELCh(33, 27.912, 255.559)

Conversions

Conversions Part 1

Format	Color
Hex	005378
RGB	0, 83, 120
RGB Percent	0%, 33%, 47%
CMY	1.0000, 0.6746, 0.5295
CMYK	1.00, 0.31, 0.00, 0.53
HSL	199°, 100%, 24%
HSV	199°, 100%, 47%
XYZ	6.4787, 7.5373, 18.8732
YIQ	62.4010, -61.3450, -6.0890

Conversions

Conversions Part 2

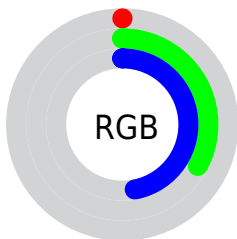
Format	Color
RYB	0, 49, 120
Decimal	21368
CIELab	33.00, -6.96, -27.03
CIELCh	33, 27.912, 255.559
Yxy	7.5373, 0.1970, 0.2292
Android (android.graphics.Color)	4278211448 (0xFF005378)
YUV	62.4010, 28.3963, -54.7257
Hunter-Lab	27.4541, -5.9215, -21.5408

Details

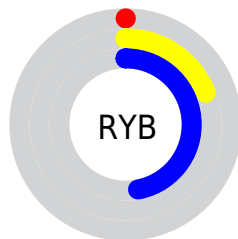
The CIELCh color **33, 27.912, 255.559** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **28, 52.447, 48.482**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 28.255, 256.285**, and **15, 24.298, 274.706** is the 20% darker color. If you saturate the color by 10%, you get **33, 27.909, 255.566**, and if you desaturate by 10%, it is **34, 26.220, 251.317**.

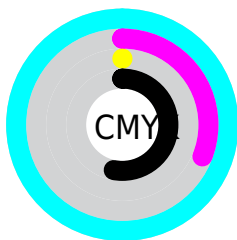
Distribution



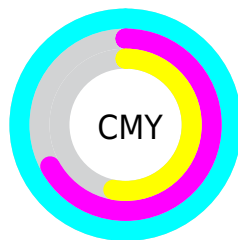
- Red (0%)
- Green (33%)
- Blue (47%)



- Red (0%)
- Yellow (19%)
- Blue (47%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (53%)





- Cyan (100%)
- Magenta (67%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 27.912, 255.559 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, 27.912, 255.559 by changing the saturation by 10% instead.


 33, 27.912,
255.559


 33, 27.912,
255.559

 100, 27.912,
255.559


 23, 27.912,
255.559

 53, 27.912,
255.559


 13, 27.912,
255.559


 63, 27.912,
255.559

 3, 27.912, 255.559

 73, 27.912,
255.559

 0, 27.912, 255.559

 83, 27.912,
255.559

 93, 27.912,
255.559

■ 33, 27.912,
255.559

■ 33, 27.912,
255.559

■ 33, 27.909,
255.566

■ 34, 26.220,
251.317

■ 36, 24.455,
247.297

■ 37, 22.417,
243.901

■ 39, 20.062,
241.096

■ 41, 17.378,
238.814

■ 43, 14.382,
236.976

■ 44, 11.106,
235.505

■ 46, 7.591, 234.337

Harmonies

Complementary

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



33, 27.912, 255.559



28, 52.447, 48.482

Rectangle

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



33, 27.912, 255.559



33, 27.912, 305.559



33, 27.912, 75.559



33, 27.912, 125.559

Sweetspot

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



33, 27.909, 255.566



57, 13.710, 235.602



44, 59.600, 141.958



29, 9.337, 236.075



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, 27.909, 255.566



43, 34.087, 256.924



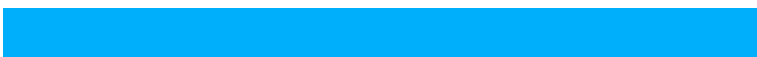
16, 64.801, 301.412



25, 2.224, 233.370



34, 28.792, 255.800



68, 49.747, 258.742

Inverse Universe

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



26, 52.954, 344.669



34, 63.636, 345.207



42, 49.092, 88.508



24, 3.971, 335.185



27, 54.479, 344.760



56, 90.791, 345.955

Previews

White Background



This preview shows how the CIELCh color 33, 27.912, 255.559 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, 27.912, 255.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

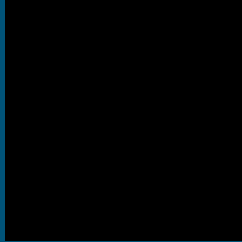
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 27.912, 255.559

Background



This preview shows how black text looks on a background with the CIELCh color 33, 27.912, 255.559.



This preview shows how white text looks on a background with the CIELCh color 33, 27.912, 255.559.

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, 27.912, 255.559

Protanopia

33, 24.081, 284.508

Deuteranopia

33, 27.591, 279.704



Tritanopia
33, 22.166, 206.551

Trichromacy



Original Color
33, 27.912, 255.559

Protanomaly
33, 25.767, 268.607

Deuteranomaly
33, 27.845, 268.123

Tritanomaly
33, 22.376, 226.023

Monochromacy



Original Color
33, 27.912, 255.559

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 13.506, 237.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 27.912, 255.559 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(0, 83, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 83, 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(0, 83, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 83, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 27.912, 255.559 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(0, 83, 120) }
```

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

```
.border{ border-color:rgb(0, 83, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 83, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 83, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 83, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 83, 120)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 27.912, 255.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 83, 120) }
```

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

```
.background{ background-color: rgb(0, 83,  
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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