

Converting Colors

CIELCh(33, 25.996, 305.133)

Have a look what the booklet for
CIELCh(33, 25.996, 305.133)
contains.

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Color

CIELCh(33, 25.783, 305.003)

Conversions

Conversions Part 1

Format	Color
Hex	54476F
RGB	84, 71, 111
RGB Percent	33%, 28%, 44%
CMY	0.6706, 0.7216, 0.5647
CMYK	0.24, 0.36, 0.00, 0.56
HSL	259°, 22%, 36%
HSV	259°, 36%, 44%
XYZ	8.7767, 7.5373, 16.0283
YIQ	79.4470, -5.0920, 15.1960

Conversions

Conversions Part 2

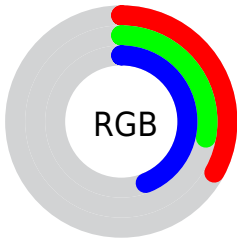
Format	Color
R_{YB}	84, 71, 111
Decimal	5523311
CIE _{Lab}	33.00, 14.79, -21.12
CIE _{LCh}	33, 25.783, 305.003
Yxy	7.5373, 0.2714, 0.2330
Android (android.graphics.Color)	4283713391 (0xFF54476F)
YUV	79.4470, 15.5556, 3.9930
Hunter-Lab	27.4541, 9.0197, -15.3970

Details

The CIELCh color **33, 25.783, 305.003** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **45, 24.102, 120.832**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 25.513, 304.394**, and **13, 26.079, 304.939** is the 20% darker color. If you saturate the color by 10%, you get **29, 33.397, 305.781**, and if you desaturate by 10%, it is **37, 18.342, 304.283**.

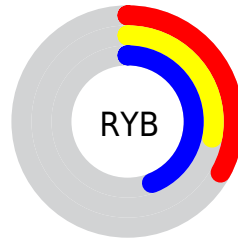
Distribution



Red (33%)

Green (28%)

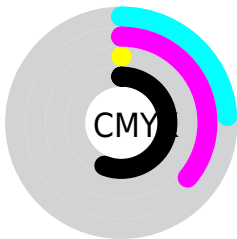
Blue (44%)



Red (33%)

Yellow (28%)

Blue (44%)

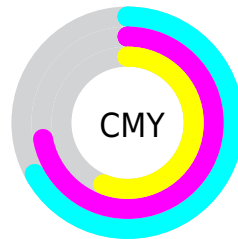


Cyan (24%)

Magenta (36%)

Yellow (0%)

Black (56%)



Cyan (67%)


Magenta (72%)


Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 25.783, 305.003 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, 25.783, 305.003 by changing the saturation by 10% instead.


 33, 25.783,
305.003


 33, 25.783,
305.003

 100, 25.783,
305.003


 23, 25.783,
305.003

 53, 25.783,
305.003


 13, 25.783,
305.003


 63, 25.783,
305.003

 3, 25.783, 305.003

 73, 25.783,
305.003

 0, 25.783, 305.003

 83, 25.783,
305.003

 93, 25.783,
305.003

■ 33, 25.783,
305.003

■ 33, 25.783,
305.003

■ 29, 33.397,
305.781

■ 37, 18.342,
304.283

■ 26, 41.098,
306.595

■ 41, 11.116,
303.631

■ 22, 48.712,
307.399

■ 45, 4.119, 303.046

■ 19, 55.929,
308.113

■ 48, 2.649, 122.557

■ 52, 9.195, 122.097

■ 16, 62.263,
308.620

■ 56, 15.528,
121.703

■ 14, 67.447,
308.900

■ 60, 21.660,
121.361

■ 13, 69.640,
309.117

■ 63, 27.601,
121.065

■ 67, 33.364,
120.809

Harmonies

Complementary

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



33, 25.783, 305.003



45, 24.102, 120.832

Rectangle

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



33, 25.783, 305.003



33, 25.783, 355.003



33, 25.783, 125.003



33, 25.783, 175.003

Sweetspot

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



33, 25.782, 305.003



55, 9.439, 303.347



40, 12.337, 237.470



28, 6.402, 303.406



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



33, 25.782, 305.003



40, 38.821, 305.633



35, 27.882, 320.827



21, 3.889, 303.214



14, 73.636, 309.033



35, 126.615, 308.495

Inverse Universe

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



36, 23.348, 337.902



44, 34.542, 338.590



43, 27.507, 137.422



22, 3.648, 335.870



25, 52.387, 345.857



55, 88.512, 347.227

Previews

White Background



This preview shows how the CIELCh color 33, 25.783, 305.003 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, 25.783, 305.003 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

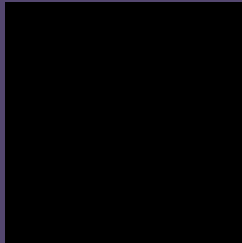
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 25.783, 305.003

Background



This preview shows how black text looks on a background with the CIELCh color 33, 25.783, 305.003.

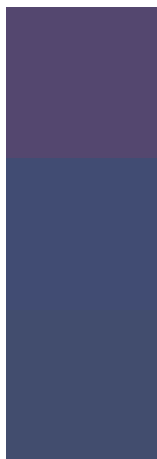


This preview shows how white text looks on a background with the CIELCh color 33, 25.783, 305.003.

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, 25.783, 305.003

Protanopia

33, 24.702, 285.697

Deuteranopia

33, 20.986, 283.152



Tritanopia
33, 3.890, 303.403

Trichromacy



Original Color
33, 25.783, 305.003

Protanomaly
33, 25.230, 292.843

Deuteranomaly
33, 22.064, 292.045

Tritanomaly
33, 11.664, 304.108

Monochromacy



Original Color
33, 25.783, 305.003

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 9.712, 303.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 25.783, 305.003 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(84, 71, 111)` looks like.

```
.text, #text, p{  
    color:rgb(84, 71, 111)  
}
```

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(84, 71, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 71, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 25.783, 305.003 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(84, 71, 111) }
```

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

```
.border{ border-color:rgb(84, 71, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 71, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 71, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 71, 111);  
box-shadow:4px 4px 4px 4px rgb(84, 71,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 25.783, 305.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 71, 111) }
```

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

```
.background{ background-color: rgb(84, 71,  
111) }
```

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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