

Converting Colors

CIELCh(33, 31.768, 300.298)

Have a look what the booklet for
CIELCh(33, 31.768, 300.298)
contains.

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Color

CIELCh(33, 31.703, 300.261)

Conversions

Conversions Part 1

Format	Color
Hex	4F4779
RGB	79, 71, 121
RGB Percent	31%, 28%, 47%
CMY	0.6904, 0.7218, 0.5257
CMYK	0.35, 0.41, 0.00, 0.53
HSL	250°, 26%, 38%
HSV	250°, 41%, 47%
XYZ	8.9157, 7.5373, 19.0530
YIQ	79.0920, -11.2820, 17.2460

Conversions

Conversions Part 2

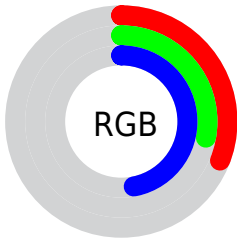
Format	Color
R_{YB}	79, 71, 121
Decimal	5195641
CIE Lab	33.00, 15.98, -27.38
CIE LCh	33, 31.703, 300.261
Yxy	7.5373, 0.2511, 0.2123
Android (android.graphics.Color)	4283385721 (0xFF4F4779)
YUV	79.0920, 20.6606, -0.0807
Hunter-Lab	27.4541, 9.9234, -21.9290

Details

The CIELCh color **33, 31.703, 300.261** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **49, 28.800, 113.563**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 32.191, 300.606**, and **13, 31.370, 300.003** is the 20% darker color. If you saturate the color by 10%, you get **29, 40.059, 301.509**, and if you desaturate by 10%, it is **37, 23.592, 299.139**.

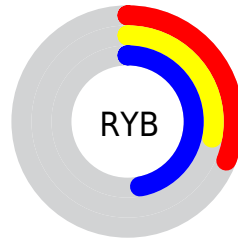
Distribution



Red (31%)

Green (28%)

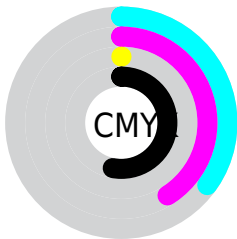
Blue (47%)



Red (31%)

Yellow (28%)

Blue (47%)

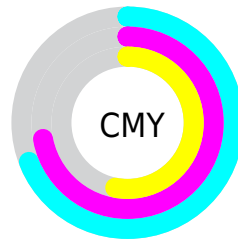


Cyan (35%)

Magenta (41%)

Yellow (0%)

Black (53%)



Cyan (69%)


Magenta (72%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 31.703, 300.261 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, 31.703, 300.261 by changing the saturation by 10% instead.


 33, 31.703,
300.261


 33, 31.703,
300.261

 100, 31.703,
300.261


 23, 31.703,
300.261

 53, 31.703,
300.261


 13, 31.703,
300.261


 63, 31.703,
300.261

 3, 31.703, 300.261

 73, 31.703,
300.261

 0, 31.703, 300.261

 83, 31.703,
300.261

 93, 31.703,
300.261

■ 33, 31.703,
300.261

■ 33, 31.703,
300.261

■ 29, 40.059,
301.509

■ 37, 23.592,
299.139

■ 25, 48.555,
302.852

■ 42, 15.764,
298.149

■ 21, 56.942,
304.214

■ 46, 8.223, 297.286

■ 17, 64.727,
305.459

■ 50, 0.959, 296.539

■ 54, 6.043, 115.889

■ 15, 71.115,
306.384

■ 59, 12.799,
115.330

■ 13, 75.994,
307.177

■ 63, 19.325,
114.847

■ 67, 25.635,
114.430

■ 71, 31.744,
114.069

Harmonies

Complementary

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



33, 31.703, 300.261



49, 28.800, 113.563

Rectangle

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



33, 31.703, 300.261



33, 31.703, 350.261



33, 31.703, 120.261



33, 31.703, 170.261

Sweetspot

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



33, 31.702, 300.261



59, 10.856, 297.364



45, 15.394, 214.897



29, 7.174, 297.443



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, 31.702, 300.261



38, 48.576, 301.498



36, 33.259, 315.838



23, 4.109, 297.107



13, 77.822, 307.155



33, 131.613, 306.849

Inverse Universe

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



37, 32.006, 331.627



46, 47.472, 332.245



47, 32.085, 132.244



24, 4.414, 329.660



28, 60.373, 335.524



58, 100.985, 335.989

Previews

White Background



This preview shows how the CIELCh color 33, 31.703, 300.261 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, 31.703, 300.261 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

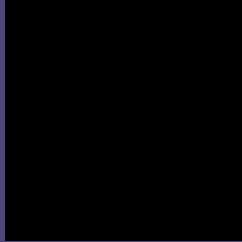
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 31.703, 300.261

Background



This preview shows how black text looks on a background with the CIELCh color 33, 31.703, 300.261.



This preview shows how white text looks on a background with the CIELCh color 33, 31.703, 300.261.

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

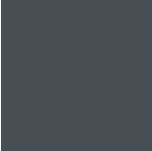
33, 31.703, 300.261

Protanopia

33, 31.054, 285.097

Deuteranopia

33, 27.480, 281.479



Tritanopia
33, 4.938, 249.240

Trichromacy



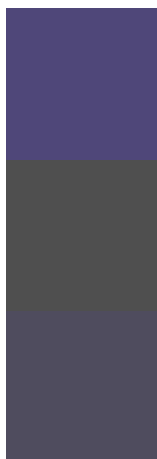
Original Color
33, 31.703, 300.261

Protanomaly
33, 31.500, 290.761

Deuteranomaly
33, 28.409, 288.334

Tritanomaly
33, 13.889, 289.393

Monochromacy



Original Color
33, 31.703, 300.261

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 11.443, 298.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 31.703, 300.261 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(79, 71, 121)` looks like.

```
.text, #text, p{  
    color:rgb(79, 71, 121)  
}
```

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(79, 71, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 71, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 31.703, 300.261 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(79, 71, 121) }
```

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

```
.border{ border-color:rgb(79, 71, 121) }
```

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

Here you see how a box with a 4 pixel rgb(79, 71, 121) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 71, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 71, 121);  
box-shadow:4px 4px 4px 4px rgb(79, 71,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 31.703, 300.261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 71, 121) }
```

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

```
.background{ background-color: rgb(79, 71,  
121) }
```

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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