

Converting Colors

CIELCh(33, 2.496, 335.950)

Have a look what the booklet for
CIELCh(33, 2.496, 335.950) contains.

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Color

CIELCh(33, 2.893, 338.983)

Conversions

Conversions Part 1

Format	Color
Hex	514C4F
RGB	81, 76, 79
RGB Percent	32%, 30%, 31%
CMY	0.6813, 0.7009, 0.6891
CMYK	0.00, 0.06, 0.02, 0.68
HSL	324°, 3%, 31%
HSV	324°, 6%, 32%
XYZ	7.4423, 7.5373, 8.5129
YIQ	77.8370, 2.0170, 1.9930

Conversions

Conversions Part 2

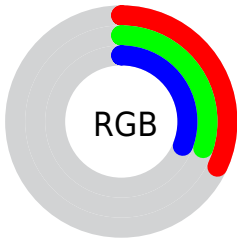
Format	Color
R_{YB}	81, 76, 79
Decimal	5327951
CIE _{Lab}	33.00, 2.70, -1.04
CIE _{LCh}	33, 2.893, 338.983
Yxy	7.5373, 0.3168, 0.3208
Android (android.graphics.Color)	4283518031 (0xFF514C4F)
YUV	77.8370, 0.5734, 2.7740
Hunter-Lab	27.4541, 0.3433, 0.8333




Details

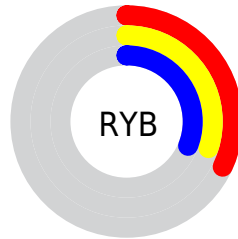
The CIELCh color **33, 2.893, 338.983** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **34, 2.873, 158.286**, and the grayscale version is **33, 0.005, 296.813**.




A 20% lighter version of the original color is **53, 2.658, 338.805**, and **13, 2.936, 332.858** is the 20% darker color. If you saturate the color by 10%, you get **30, 7.654, 339.746**, and if you desaturate by 10%, it is **36, 1.781, 158.499**.

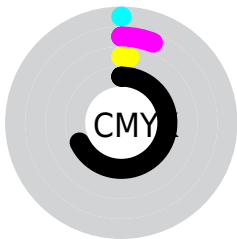
Distribution







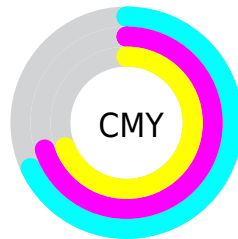
-  Red (32%)
-  Green (30%)
-  Blue (31%)






-  Red (32%)
-  Yellow (30%)
-  Blue (31%)



-  Cyan (0%)
-  Magenta (6%)
-  Yellow (2%)
-  Black (68%)



-  Cyan (68%)
-  Magenta (70%)
-  Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 2.893, 338.983 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, 2.893, 338.983 by changing the saturation by 10% instead.

■ 33, 2.893, 338.983

■ 33, 2.893, 338.983

■ 100, 2.893,
338.983

■ 23, 2.893, 338.983

■ 53, 2.893, 338.983

■ 13, 2.893, 338.983

■ 63, 2.893, 338.983

■ 3, 2.893, 338.983

■ 73, 2.893, 338.983

■ 0, 2.893, 338.983

■ 83, 2.893, 338.983

■ 93, 2.893, 338.983

■ 33, 2.893, 338.983

■ 33, 2.893, 338.983

■ 30, 7.654, 339.746

■ 36, 1.781, 158.499

28, 12.460,
340.531

38, 6.338, 157.798

26, 17.242,
341.380

41, 10.766,
157.204

23, 21.894,
342.316

43, 15.062,
156.652

21, 26.277,
343.365

46, 19.227,
156.136

20, 30.213,
344.564

49, 23.264,
155.651

18, 33.499,
345.968

51, 27.182,
155.195

17, 35.944,
347.647

54, 30.986,
154.766

16, 37.885,
349.476

57, 34.685,
154.361

Harmonies

Complementary

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



33, 2.893, 338.983



34, 2.873, 158.286

Rectangle

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



33, 2.893, 338.983



33, 2.893, 28.983



33, 2.893, 158.983



33, 2.893, 208.983

Sweetspot

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



33, 2.892, 338.988



44, 1.155, 338.577



33, 3.286, 305.764



22, 0.662, 338.541



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



33, 2.892, 338.988



42, 4.054, 339.074



33, 2.217, 11.476



15, 2.109, 339.054



21, 45.811, 351.161



51, 81.164, 353.412

Inverse Universe

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



33, 2.892, 338.988



42, 4.054, 339.074



34, 2.153, 190.849



15, 2.109, 339.054



21, 45.811, 351.161



51, 81.164, 353.412

Previews

White Background



This preview shows how the CIELCh color 33, 2.893, 338.983 looks on a white background.

Color Contrast Check

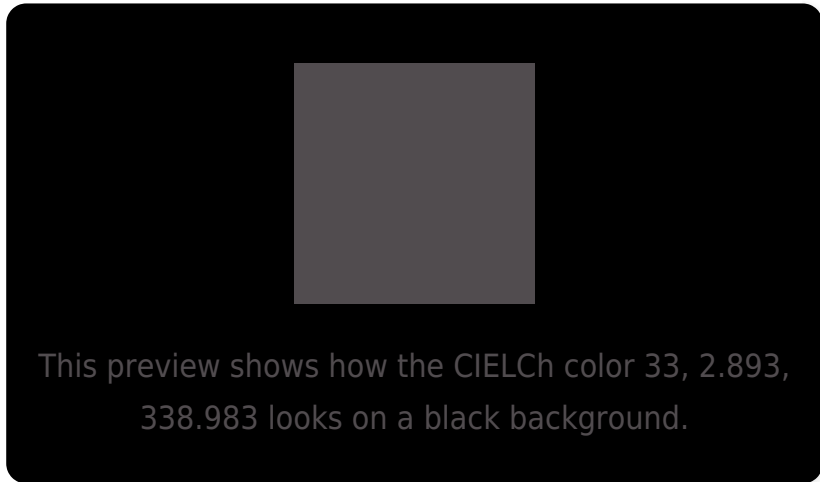
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

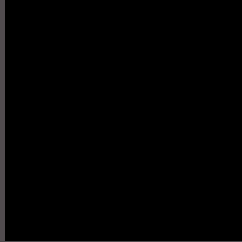
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

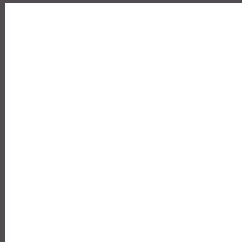
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 33, 2.893, 338.983

Background



This preview shows how black text looks on a background with the CIELCh color 33, 2.893, 338.983.



This preview shows how white text looks on a background with the CIELCh color 33, 2.893, 338.983.

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, 2.893, 338.983

Protanopia

33, 1.949, 303.216

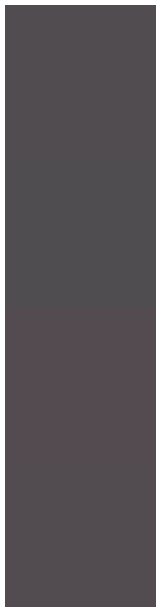
Deuteranopia

33, 4.677, 347.570



Tritanopia
33, 4.598, 324.777

Trichromacy



Original Color

33, 2.893, 338.983

Protanomaly

33, 2.090, 314.766

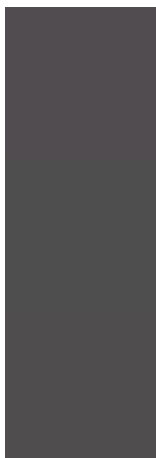
Deuteranomaly

33, 4.315, 344.333

Tritanomaly

33, 4.097, 329.754

Monochromacy



Original Color

33, 2.893, 338.983

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 1.081, 343.644

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 2.893, 338.983 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(81, 76, 79)` looks like.

```
.text, #text, p{  
    color:rgb(81, 76, 79)  
}
```

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(81, 76, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 76, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 2.893, 338.983 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(81, 76, 79) }
```

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

```
.border{ border-color:rgb(81, 76, 79) }
```

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

Here you see how a box with a 4 pixel rgb(81, 76, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 76, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 76, 79);  
box-shadow:4px 4px 4px 4px rgb(81, 76, 79)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 2.893, 338.983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 76, 79) }
```

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

```
.background{ background-color: rgb(81, 76,  
79) }
```

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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