

Converting Colors

CIELCh(33, 5.851, 315.135)

Have a look what the booklet for
CIELCh(33, 5.851, 315.135) contains.

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Color

CIELCh(33, 5.500, 313.657)

Conversions

Conversions Part 1

Format	Color
Hex	514C54
RGB	81, 76, 84
RGB Percent	32%, 30%, 33%
CMY	0.6828, 0.7024, 0.6710
CMYK	0.04, 0.10, 0.00, 0.67
HSL	277°, 5%, 31%
HSV	277°, 10%, 33%
XYZ	7.5573, 7.5373, 9.4219
YIQ	78.4070, 0.4120, 3.5480

Conversions

Conversions Part 2

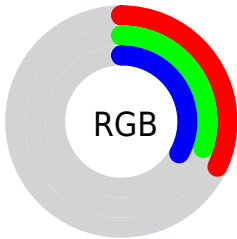
Format	Color
R_{YB}	81, 76, 84
Decimal	5327956
CIE Lab	33.00, 3.80, -3.98
CIE LCh	33, 5.500, 313.657
Yxy	7.5373, 0.3083, 0.3074
Android (android.graphics.Color)	4283518036 (0xFF514C54)
YUV	78.4070, 2.7573, 2.2741
Hunter-Lab	27.4541, 1.0911, -1.1298

Details

The CIELCh color **33, 5.500, 313.657** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **35, 5.446, 132.959**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 5.055, 313.527**, and **13, 5.411, 312.122** is the 20% darker color. If you saturate the color by 10%, you get **30, 11.386, 314.062**, and if you desaturate by 10%, it is **36, 0.261, 133.617**.

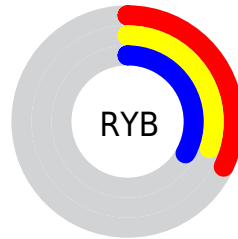
Distribution



Red (32%)

Green (30%)

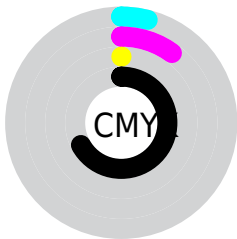
Blue (33%)



Red (32%)

Yellow (30%)

Blue (33%)

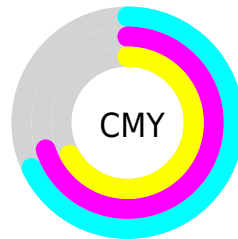


Cyan (4%)

Magenta (10%)

Yellow (0%)

Black (67%)



Cyan (68%)

Magenta (70%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 5.500, 313.657 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, 5.500, 313.657 by changing the saturation by 10% instead.

■ 33, 5.500, 313.657

■ 33, 5.500, 313.657

■ 100, 5.500,
313.657

■ 23, 5.500, 313.657

■ 53, 5.500, 313.657

■ 13, 5.500, 313.657

■ 63, 5.500, 313.657

■ 3, 5.500, 313.657

■ 73, 5.500, 313.657

■ 0, 5.500, 313.657

■ 83, 5.500, 313.657

■ 93, 5.500, 313.657

■ 33, 5.500, 313.657

■ 33, 5.500, 313.657

■ 30, 11.386,
314.062

■ 36, 0.261, 133.617

27, 17.370,
314.477

39, 5.879, 132.956

25, 23.399,
314.891

41, 11.348,
132.626

22, 29.391,
315.286

44, 16.667,
132.330

20, 35.216,
315.634

47, 21.838,
132.062

17, 40.691,
315.894

50, 26.867,
131.822

15, 45.570,
316.015

53, 31.760,
131.608

14, 49.583,
315.941

55, 36.522,
131.417

12, 53.613,
315.953

58, 41.161,
131.249

Harmonies

Complementary

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



33, 5.500, 313.657



35, 5.446, 132.959

Rectangle

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



33, 5.500, 313.657



33, 5.500, 3.657



33, 5.500, 133.657



33, 5.500, 183.657

Sweetspot

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



33, 5.499, 313.655



45, 2.146, 313.378



33, 3.333, 268.112



23, 1.641, 313.409



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



33, 5.499, 313.655



42, 7.931, 313.730



33, 5.641, 328.263



15, 3.148, 313.621



16, 62.851, 315.663



41, 113.279, 314.950

Inverse Universe

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



33, 3.978, 351.712



43, 5.742, 351.887



35, 5.628, 147.276



15, 2.276, 351.632



21, 43.984, 10.974



49, 79.595, 14.953

Previews

White Background



This preview shows how the CIELCh color 33, 5.500, 313.657 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, 5.500, 313.657 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

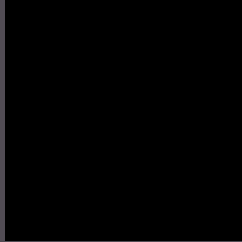
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 5.500, 313.657

Background



This preview shows how black text looks on a background with the CIELCh color 33, 5.500, 313.657.

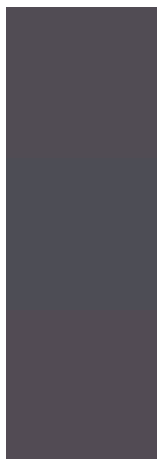


This preview shows how white text looks on a background with the CIELCh color 33, 5.500, 313.657.

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, 5.500, 313.657

Protanopia

33, 5.047, 291.065

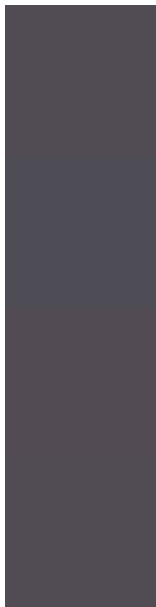
Deuteranopia

33, 6.444, 318.550



Tritanopia
33, 4.371, 320.073

Trichromacy



Original Color

33, 5.500, 313.657

Protanomaly

33, 5.070, 295.788

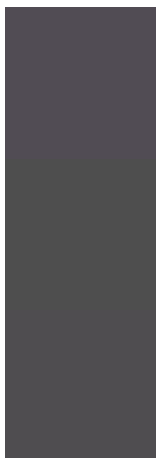
Deuteranomaly

33, 6.444, 318.550

Tritanomaly

33, 4.927, 316.486

Monochromacy



Original Color

33, 5.500, 313.657

Achromatopsia

33, 0.005, 296.813

Achromatomaly

33, 2.090, 314.766

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 5.500, 313.657 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, 84)` looks like.

```
.text, #text, p{  
    color:rgb(81, 76, 84)  
}
```

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, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 76, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 5.500, 313.657 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, 84) }
```

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

```
.border{ border-color:rgb(81, 76, 84) }
```

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, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 76, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 76, 84);  
box-shadow:4px 4px 4px 4px rgb(81, 76, 84)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 5.500, 313.657 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, 84) }
```

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

```
.background{ background-color: rgb(81, 76,  
84) }
```

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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