

Converting Colors

CIELCh(33, 14.622, 302.690)

Have a look what the booklet for
CIELCh(33, 14.622, 302.690)
contains.

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Color

CIELCh(33, 14.848, 303.380)

Conversions

Conversions Part 1

Format	Color
Hex	514A61
RGB	81, 74, 97
RGB Percent	32%, 29%, 38%
CMY	0.6818, 0.7093, 0.6190
CMYK	0.16, 0.24, 0.00, 0.62
HSL	258°, 13%, 34%
HSV	258°, 24%, 38%
XYZ	8.0278, 7.5373, 12.3763
YIQ	78.7150, -3.2110, 8.6370

Conversions

Conversions Part 2

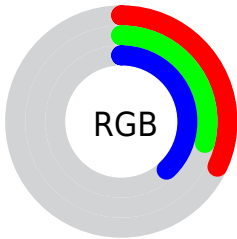
Format	Color
R_{YB}	81, 74, 97
Decimal	5327457
CIE Lab	33.00, 8.17, -12.40
CIE LCh	33, 14.848, 303.380
Yxy	7.5373, 0.2873, 0.2698
Android (android.graphics.Color)	4283517537 (0xFF514A61)
YUV	78.7150, 9.0145, 2.0039
Hunter-Lab	27.4541, 4.1502, -7.5101

Details

The CIELCh color **33, 14.848, 303.380** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **40, 14.227, 120.700**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **53, 14.847, 303.537**, and **13, 15.383, 303.741** is the 20% darker color. If you saturate the color by 10%, you get **30, 21.455, 304.100**, and if you desaturate by 10%, it is **36, 8.439, 302.731**.

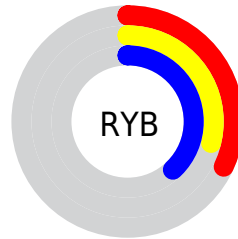
Distribution



Red (32%)

Green (29%)

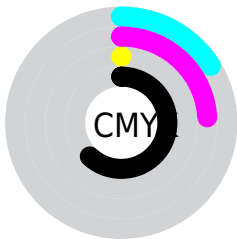
Blue (38%)



Red (32%)

Yellow (29%)

Blue (38%)

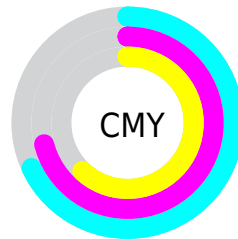


Cyan (16%)

Magenta (24%)

Yellow (0%)

Black (62%)



Cyan (68%)


Magenta (71%)


Yellow (62%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 33, 14.848, 303.380 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, 14.848, 303.380 by changing the saturation by 10% instead.


 33, 14.848,
303.380


 33, 14.848,
303.380

 100, 14.848,
303.380


 23, 14.848,
303.380

 53, 14.848,
303.380


 13, 14.848,
303.380


 63, 14.848,
303.380

 3, 14.848, 303.380

 73, 14.848,
303.380

 0, 14.848, 303.380

 83, 14.848,
303.380

 93, 14.848,
303.380

■ 33, 14.848,
303.380

■ 33, 14.848,
303.380

■ 30, 21.455,
304.100

■ 36, 8.439, 302.731

■ 26, 28.240,
304.889

■ 40, 2.237, 302.146

■ 23, 35.143,
305.729

■ 43, 3.761, 121.661

■ 20, 42.046,
306.584

■ 50, 15.180,
120.825

■ 16, 48.725,
307.390

■ 54, 20.620,
120.488

■ 14, 54.810,
308.045

■ 57, 25.894,
120.195

■ 12, 59.972,
308.489

■ 60, 31.011,
119.941

■ 10, 63.509,

■ 64, 35.981,

308.974

119.722

Harmonies

Complementary

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



33, 14.848, 303.380



40, 14.227, 120.700

Rectangle

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



33, 14.848, 303.380



33, 14.848, 353.380



33, 14.848, 123.380



33, 14.848, 173.380

Sweetspot

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



33, 14.847, 303.379



50, 5.345, 302.348



37, 7.496, 233.547



25, 3.444, 302.364



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



33, 14.847, 303.379



41, 22.138, 303.744



34, 16.307, 319.785



18, 3.426, 302.444



13, 70.449, 308.806



33, 124.063, 308.236

Inverse Universe

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



34, 13.954, 336.019



43, 20.648, 336.396



39, 16.139, 137.708



18, 3.271, 334.989



24, 50.678, 344.232



53, 87.567, 345.582

Previews

White Background



This preview shows how the CIELCh color 33, 14.848, 303.380 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, 14.848, 303.380 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, 14.848, 303.380

Background



This preview shows how black text looks on a background with the CIELCh color 33, 14.848, 303.380.



This preview shows how white text looks on a background with the CIELCh color 33, 14.848, 303.380.

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, 14.848, 303.380

Protanopia

33, 13.942, 284.711

Deuteranopia

33, 13.252, 290.783



Tritanopia
33, 3.890, 303.403

Trichromacy



Original Color
33, 14.848, 303.380

Protanomaly
33, 13.880, 290.971

Deuteranomaly
33, 13.943, 295.782

Tritanomaly
33, 7.779, 303.762

Monochromacy



Original Color
33, 14.848, 303.380

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 5.828, 303.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 14.848, 303.380 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, 74, 97)` looks like.

```
.text, #text, p{  
    color:rgb(81, 74, 97)  
}
```

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, 74, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 74, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 14.848, 303.380 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, 74, 97) }
```

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

```
.border{ border-color:rgb(81, 74, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 74, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 74, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 74, 97);  
box-shadow:4px 4px 4px 4px rgb(81, 74, 97)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 14.848, 303.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 74, 97) }
```

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

```
.background{ background-color: rgb(81, 74,  
97) }
```

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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