

Converting Colors

XYZ(33.3699, 43.6786, 31.5104)

Have a look what the booklet for
XYZ(33.3699, 43.6786, 31.5104)
contains.

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Color

**XYZ(33.4125, 43.6919,
31.4833)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABD8C
RGB	138, 189, 140
RGB Percent	54%, 74%, 55%
CMY	0.4588, 0.2588, 0.4510
CMYK	0.27, 0.00, 0.26, 0.26
HSL	122°, 28%, 64%
HSV	122°, 27%, 74%
XYZ	33.4125, 43.6919, 31.4833
YIQ	168.1650, -14.6670, -26.0510

Conversions

Conversions Part 2

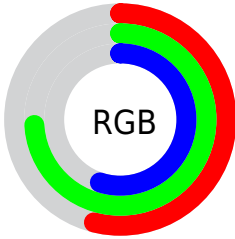
Format	Color
RYB	138, 187, 189
Decimal	9092492
CIELab	72.02, -26.53, 19.51
CIELCh	72, 32.928, 143.665
Yxy	43.6919, 0.3077, 0.4024
Android (android.graphics.Color)	4287282572 (0xFF8ABD8C)
YUV	168.1650, -13.8853, -26.4547
Hunter-Lab	66.0998, -25.4456, 18.0301

Details

The XYZ color **33.4125, 43.6919, 31.4833** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.0459, 32.5847, 51.2472**, and the grayscale version is **37.3727, 39.3190, 42.8184**.

A 20% lighter version of the original color is **64.1282, 80.4063, 63.1790**, and **14.3472, 20.0446, 12.7857** is the 20% darker color. If you saturate the color by 10%, you get **29.3232, 41.7272, 24.8699**, and if you desaturate by 10%, it is **38.2693, 46.0292, 39.2879**.

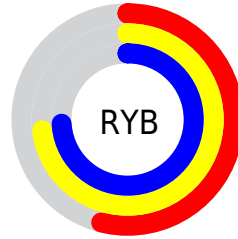
Distribution



Red (54%)

Green (74%)

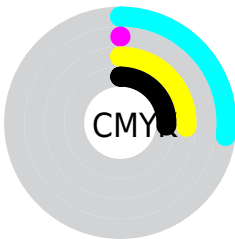
Blue (55%)



Red (54%)

Yellow (73%)

Blue (74%)

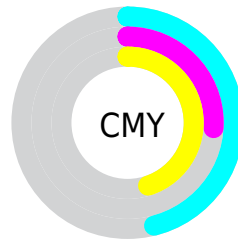


Cyan (27%)

Magenta (0%)

Yellow (26%)

Black (26%)



Cyan (46%)


Magenta (26%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4125, 43.6919, 31.4833 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 XYZ color 33.4125, 43.6919, 31.4833 by changing the saturation by 10% instead.


 33.4125, 43.6919,
31.4833


 33.4125, 43.6919,
31.4833


309.1366,
361.4495, 323.1786


 22.6034, 30.4284,
20.7056


 64.3694, 80.7539,
63.0886

 14.4200, 20.1640,
12.7198


 85.2479, 105.3212,
84.7534

 8.4970, 12.5143,
7.1075


 110.2135,
134.4252, 110.8842

 4.4690, 7.0949,
3.4499

139.6317,
168.4503, 141.8997

 1.9708, 3.5215,
1.3287

173.8677,
207.7809, 178.2183

 0.6175, 1.4097,
0.0851

213.2870,

 0.0000, 0.2239,

252.8013, 220.2586

0.0000

258.2548,
303.8961, 268.4392

■ 0.0000, 0.0000,
0.0000

■ 33.4125, 43.6919,
31.4833

■ 33.4125, 43.6919,
31.4833

■ 29.3232, 41.7272,
24.8699

■ 38.2693, 46.0292,
39.2879

■ 25.9588, 40.1107,
19.3865

■ 43.9264, 48.7512,
48.3352

■ 23.2782, 38.8237,
14.9708

■ 50.4188, 51.8760,
58.6772

■ 21.2343, 37.8436,
11.5532

■ 57.7786, 55.4191,
70.3620

■ 19.7745, 37.1448,
9.0560

■ 66.0360, 59.3951,
83.4352

■ 18.8375, 36.6976,
7.3901

■ 75.2198, 63.8180,
97.9405

■ 18.3417, 36.4624,
6.4482

■ 77.4884, 64.8769,
103.0461

■ 18.2390, 36.4131,
6.2800

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3373, 43.6919, 24.4741



33.4125, 43.6919, 31.4833



31.6818, 43.6919, 44.2375

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33.4125, 43.6919, 31.4833



40.3462, 43.6919, 85.4637



52.2390, 43.6919, 36.1947

Complementary

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



33.4125, 43.6919, 31.4833



39.0459, 32.5847, 51.2472

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



53.2278, 43.6919, 51.0722



33.4125, 43.6919, 31.4833



46.0208, 43.6919, 81.9444

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.4125, 43.6919, 31.4833



35.4453, 43.6919, 77.1322



50.8611, 43.6919, 68.3801



48.2693, 43.6919, 26.7340

Rectangle

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



33.4125, 43.6919, 31.4833



31.8826, 43.6919, 55.2701



50.8611, 43.6919, 68.3801



52.9451, 43.6919, 40.6260

Sweetspot

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



33.4136, 43.6937, 31.4843



77.4359, 86.7163, 84.5967



43.3539, 48.8350, 31.1864



16.3085, 18.4826, 17.6432



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.4136, 43.6937, 31.4843



55.6272, 76.2259, 49.5818



35.4899, 44.5242, 42.4177



9.4235, 10.6555, 10.2139



12.2779, 24.5014, 4.2602



0.4862, 0.9618, 0.1945

Inverse Universe

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



39.0459, 32.5847, 51.2472



67.2933, 53.2124, 90.5144



36.5800, 31.5983, 38.2616



9.9134, 9.6896, 11.9328



19.7795, 9.5429, 30.4620



0.7799, 0.3758, 1.2199

Previews

White Background



This preview shows how the XYZ color 33.4125, 43.6919, 31.4833 looks on a white 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

Black Background



This preview shows how the XYZ color 33.4125, 43.6919, 31.4833 looks on a black 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

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

XYZ 33.4125, 43.6919, 31.4833

Background



This preview shows how black text looks on a background with the XYZ color 33.4125, 43.6919, 31.4833.



This preview shows how white text looks on a background with the XYZ color 33.4125, 43.6919,

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

33.4125, 43.6919, 31.4833

Protanopia

40.5674, 43.4633, 28.8054

Deuteranopia

44.1238, 43.2269, 32.4036



Tritanopia

38.9045, 43.7373, 58.6162

Trichromacy



Original Color

33.4125, 43.6919, 31.4833

Protanomaly

37.5454, 43.3714, 29.6852

Deuteranomaly

39.3057, 42.7371, 32.1641

Tritanomaly

36.6870, 43.7618, 47.5876

Monochromacy



Original Color

33.4125, 43.6919, 31.4833

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

35.6015, 40.6874, 38.3248

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4125, 43.6919, 31.4833 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(138, 189, 140)` looks like.

```
.text, #text, p{  
    color:rgb(138, 189, 140)  
}
```

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(138, 189, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 189, 140) }
```

Border

The CSS property to change the border of an element to XYZ 33.4125, 43.6919, 31.4833 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(138, 189, 140) }
```


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

```
.border{ border-color:rgb(138, 189, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 189, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 189, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 189, 140);  
box-shadow:4px 4px 4px 4px rgb(138, 189,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4125, 43.6919, 31.4833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 189, 140) }
```

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

```
.background{ background-color: rgb(138,  
189, 140) }
```

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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