

Converting Colors

XYZ(35.0653, 33.5285, 43.4139)

Have a look what the booklet for
XYZ(35.0653, 33.5285, 43.4139)
contains.

XYZ(34.9303, 33.3373, 43.6234)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(34.9303, 33.3373,
43.6234)**

Conversions

Conversions Part 1

Format	Color
Hex	AA96AC
RGB	170, 150, 172
RGB Percent	67%, 59%, 67%
CMY	0.3333, 0.4117, 0.3255
CMYK	0.01, 0.13, 0.00, 0.33
HSL	295°, 12%, 63%
HSV	295°, 13%, 67%
XYZ	34.9303, 33.3373, 43.6234
YIQ	158.4880, 4.8580, 11.0820

Conversions

Conversions Part 2

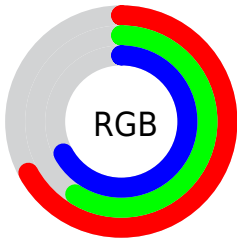
Format	Color
R_{YB}	170, 150, 172
Decimal	11179692
CIE _{Lab}	64.43, 11.45, -8.76
CIE _{LCh}	64, 14.418, 322.573
Yxy	33.3373, 0.3122, 0.2979
Android (android.graphics.Color)	4289369772 (0xFFAA96AC)
YUV	158.4880, 6.6614, 10.0960
Hunter-Lab	57.7385, 6.9456, -4.3787

Details

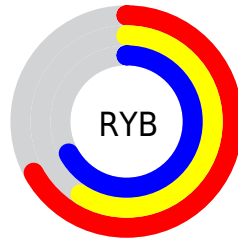
The XYZ color **34.9303, 33.3373, 43.6234** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2076, 38.3833, 34.5143**, and the grayscale version is **32.6910, 34.3935, 37.4545**.

A 20% lighter version of the original color is **66.5093, 64.7393, 81.6636**, and **15.3232, 14.1313, 19.6893** is the 20% darker color. If you saturate the color by 10%, you get **32.0490, 28.0729, 42.7596**, and if you desaturate by 10%, it is **38.2205, 39.4124, 44.6231**.

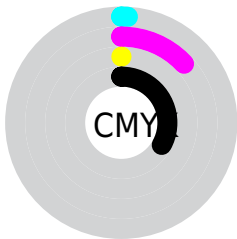
Distribution



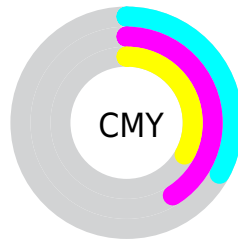
- Red (67%)
- Green (59%)
- Blue (67%)



- Red (67%)
- Yellow (59%)
- Blue (67%)



- Cyan (1%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (41%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9303, 33.3373, 43.6234 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 34.9303, 33.3373, 43.6234 by changing the saturation by 10% instead.


 34.9303, 33.3373,
43.6234


 34.9303, 33.3373,
43.6234


315.7740,
317.1669, 377.1655

 23.7755, 22.3850,
30.0395


 66.7125, 64.9018,
81.9472

 15.2910, 14.1400,
19.6163


 88.0706, 86.2827,
107.5242

 9.1115, 8.2181,
11.9351


113.5604,
111.9086, 137.9359

 4.8717, 4.2348,
6.5775

143.5474,
142.1639, 173.6010

 2.2061, 1.8058,
3.1249

178.3969,
177.4330, 214.9380

 0.7460, 0.4908,
1.1588

218.4743,

 0.0000, 0.0000,

218.1003, 262.3654

0.0000

264.1449,
264.5501, 316.3017

■ 34.9303, 33.3373,
43.6234

■ 34.9303, 33.3373,
43.6234

■ 32.0490, 28.0729,
42.7596

■ 38.2205, 39.4124,
44.6231

■ 29.5560, 23.5800,
42.0238

■ 41.9331, 46.3266,
45.7620

■ 27.4337, 19.8223,
41.4104

■ 46.0844, 54.1125,
47.0460

■ 25.6617, 16.7593,
40.9125

■ 50.6894, 62.7995,
48.4801

■ 24.2176, 14.3463,
40.5229

■ 55.7619, 72.4157,
50.0688

■ 23.0765, 12.5335,
40.2331

■ 61.3154, 82.9878,
51.8168

■ 22.2099, 11.2638,
40.0337

■ 62.2500, 84.3159,
52.0239

■ 21.5837, 10.4691,
39.9133

■ 62.6186, 84.5059,
52.0411

■ 21.2274, 10.0829,
39.8576

■ 62.9914, 84.6981,
52.0585

Harmonies

Analogous

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



33.2279, 33.3373, 47.7889



34.9303, 33.3373, 43.6234



35.7701, 33.3373, 37.7819

Triad

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



34.9303, 33.3373, 43.6234



32.1999, 33.3373, 26.1895



28.1741, 33.3373, 40.8204

Complementary

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



34.9303, 33.3373, 43.6234



33.2076, 38.3833, 34.5143

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.



27.9255, 33.3373, 34.8547



34.9303, 33.3373, 43.6234



30.1927, 33.3373, 26.8158

Square

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



34.9303, 33.3373, 43.6234



34.1499, 33.3373, 28.0296



28.6493, 33.3373, 29.8435



29.3437, 33.3373, 46.0523

Rectangle

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



34.9303, 33.3373, 43.6234



35.7033, 33.3373, 33.8895



28.6493, 33.3373, 29.8435



27.9822, 33.3373, 38.8194

Sweetspot

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



34.9313, 33.3387, 43.6241



68.5291, 70.0016, 80.7055



31.2862, 31.9856, 43.5551



14.7935, 15.0289, 17.5088



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



34.9313, 33.3387, 43.6241



62.0055, 57.9774, 78.7285



34.5494, 33.2363, 39.3397



8.2642, 8.1105, 10.0826



15.8207, 7.5157, 29.6613



0.4605, 0.2196, 0.8261

Inverse Universe

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



33.5882, 32.8518, 34.2781



59.1539, 56.9456, 58.7951



33.5720, 38.4862, 38.3704



8.0337, 8.0267, 8.4884



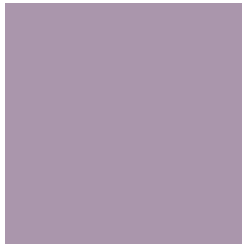
12.7377, 6.5576, 0.9985



0.3636, 0.1861, 0.0767

Previews

White Background



This preview shows how the XYZ color 34.9303, 33.3373, 43.6234 looks on a white background.

Color Contrast Check

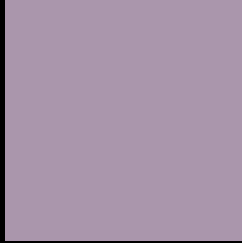
Large Text (above 18pt) WCAG AA × Fail

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 34.9303, 33.3373, 43.6234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

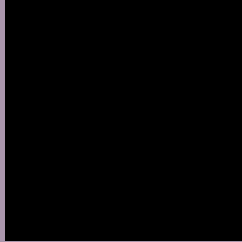
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.9303, 33.3373, 43.6234

Background



This preview shows how black text looks on a background with the XYZ color 34.9303, 33.3373, 43.6234.



This preview shows how white text looks on a background with the XYZ color 34.9303, 33.3373,

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

34.9303, 33.3373, 43.6234

Protanopia

32.5961, 33.3101, 45.2689

Deuteranopia

33.9845, 33.3275, 43.6714



Tritanopia

34.0397, 33.2126, 39.2669

Trichromacy



Original Color

34.9303, 33.3373, 43.6234

Protanomaly

33.3293, 33.2094, 44.6978

Deuteranomaly

34.2389, 33.2188, 43.6370

Tritanomaly

34.3117, 33.3214, 40.6996

Monochromacy



Original Color

34.9303, 33.3373, 43.6234

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

33.2325, 33.7684, 39.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9303, 33.3373, 43.6234 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(170, 150, 172)` looks like.

```
.text, #text, p{  
    color:rgb(170, 150, 172)  
}
```

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(170, 150, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 150, 172) }
```

Border

The CSS property to change the border of an element to XYZ 34.9303, 33.3373, 43.6234 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(170, 150, 172) }
```


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

```
.border{ border-color:rgb(170, 150, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 150, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 150, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 150, 172);  
box-shadow:4px 4px 4px 4px rgb(170, 150,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9303, 33.3373, 43.6234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 150, 172) }
```

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

```
.background{ background-color: rgb(170,  
150, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor