

Converting Colors

XYZ(34.9075, 37.2648, 46.4014)

Have a look what the booklet for
XYZ(34.9075, 37.2648, 46.4014)
contains.

XYZ(34.9903, 37.3756, 46.4443)	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(34.9903, 37.3756,
46.4443)**

Conversions

Conversions Part 1

Format	Color
Hex	9BA6B0
RGB	155, 166, 176
RGB Percent	61%, 65%, 69%
CMY	0.3921, 0.3490, 0.3098
CMYK	0.12, 0.06, 0.00, 0.31
HSL	209°, 12%, 65%
HSV	209°, 12%, 69%
XYZ	34.9903, 37.3756, 46.4443
YIQ	163.8510, -9.7660, 0.7780

Conversions

Conversions Part 2

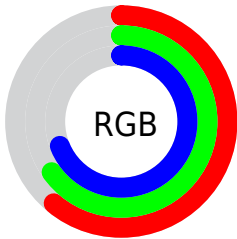
Format	Color
R _Y B	155, 162, 176
Decimal	10200752
CIE Lab	67.56, -1.81, -6.49
CIE LCh	68, 6.736, 254.377
Yxy	37.3756, 0.2945, 0.3146
Android (android.graphics.Color)	4288390832 (0xFF9BA6B0)
YUV	163.8510, 5.9895, -7.7623
Hunter-Lab	61.1356, -4.8247, -2.2473

Details

The XYZ color **34.9903, 37.3756, 46.4443** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.2763, 38.5068, 36.4790**, and the grayscale version is **35.1924, 37.0252, 40.3204**.

A 20% lighter version of the original color is **67.0003, 71.2407, 86.5635**, and **15.3643, 16.4329, 21.4309** is the 20% darker color. If you saturate the color by 10%, you get **30.3820, 32.8129, 45.8071**, and if you desaturate by 10%, it is **40.1924, 42.3938, 47.1393**.

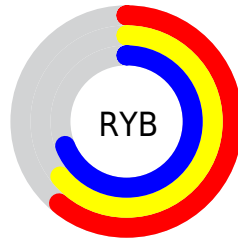
Distribution



Red (61%)

Green (65%)

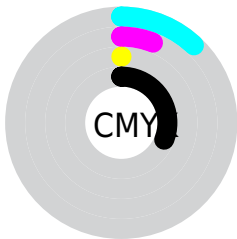
Blue (69%)



Red (61%)

Yellow (64%)

Blue (69%)

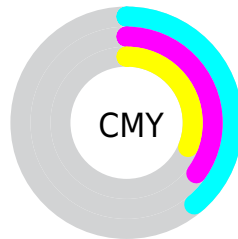


Cyan (12%)

Magenta (6%)

Yellow (0%)

Black (31%)



Cyan (39%)

Magenta (35%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.9903, 37.3756, 46.4443 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 34.9903, 37.3756, 46.4443 by changing the saturation by 10% instead.

■ 34.9903, 37.3756,
46.4443

■ 34.9903, 37.3756,
46.4443

316.0343,
334.9338, 388.9214

■ 23.8219, 25.4984,
32.2454

■ 66.8049, 71.1501,
86.2248

■ 15.3256, 16.4488,
21.2826

■ 88.1817, 93.8162,
112.6435

■ 9.1360, 9.8423,
13.1375

113.6921,
120.8474, 143.9725

■ 4.8878, 5.2945,
7.3915

143.7014,
152.6281, 180.6304

■ 2.2157, 2.4211,
3.6260

178.5748,
189.5427, 223.0356

■ 0.7510, 0.8367,
1.4225

218.6779,

■ 0.0000, 0.0000,

231.9756, 271.6069

0.1592

264.3760,
280.3112, 326.7626

■ 0.0000, 0.0000,
0.0000

■ 34.9903, 37.3756,
46.4443

■ 34.9903, 37.3756,
46.4443

■ 30.3820, 32.8129,
45.8071

■ 40.1924, 42.3938,
47.1393

■ 26.3412, 28.6862,
45.2235

■ 46.0067, 47.8767,
47.8912

■ 22.8441, 24.9816,
44.6928

■ 52.4550, 53.8390,
48.7022

■ 19.8643, 21.6823,
44.2130

■ 59.5568, 60.2935,
49.5737

■ 17.3726, 18.7704,
43.7823

■ 67.3309, 67.2524,
50.5072

■ 15.3368, 16.2260,
43.3985

■ 73.7038, 73.6491,
51.4060

■ 13.7203, 14.0270,
43.0592

■ 75.9093, 78.0600,
52.1411

■ 12.4799, 12.1478,
42.7619

■ 78.2259, 82.6932,
52.9133

■ 11.6819, 10.8254,
42.5487

■ 80.6551, 87.5516,
53.7230

Harmonies

Analogous

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



34.1187, 37.3756, 44.8198



34.9903, 37.3756, 46.4443



36.0216, 37.3756, 46.4794

Triad

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



34.9903, 37.3756, 46.4443



37.4903, 37.3756, 39.2947



34.1486, 37.3756, 36.7505

Complementary

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



34.9903, 37.3756, 46.4443



37.2763, 38.5068, 36.4790

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.



35.0318, 37.3756, 35.4128



34.9903, 37.3756, 46.4443



36.9681, 37.3756, 36.8326

Square

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



34.9903, 37.3756, 46.4443



37.4787, 37.3756, 42.2524



36.0639, 37.3756, 35.4421



33.6392, 37.3756, 39.1776

Rectangle

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



34.9903, 37.3756, 46.4443



36.6617, 37.3756, 45.5911



36.0639, 37.3756, 35.4421



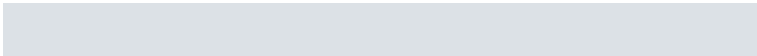
34.4108, 37.3756, 36.1638

Sweetspot

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



34.9914, 37.3772, 46.4451



70.7852, 74.8712, 85.2161



35.8169, 40.7292, 41.4764



15.1846, 16.0765, 18.4471



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



34.9914, 37.3772, 46.4451



61.4339, 65.8016, 83.9584



33.1930, 33.7804, 45.8457



8.3980, 8.9423, 10.7897



8.6301, 8.0606, 31.2380



0.3295, 0.3695, 1.0022

Inverse Universe

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



36.5097, 35.4268, 40.9920



64.6869, 61.7066, 72.2558



39.2099, 42.3741, 37.1236



8.6761, 8.5772, 9.7928



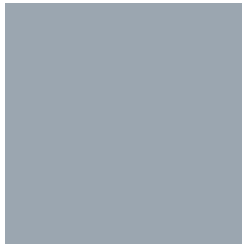
14.5907, 7.3539, 8.2707



0.4883, 0.2431, 0.4142

Previews

White Background



This preview shows how the XYZ color 34.9903, 37.3756, 46.4443 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 34.9903, 37.3756, 46.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

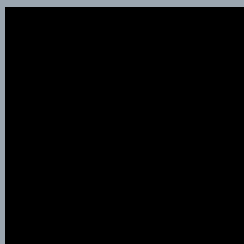
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

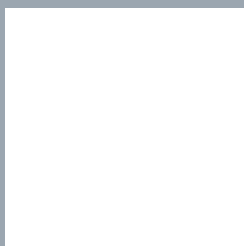
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.9903, 37.3756, 46.4443

Background



This preview shows how black text looks on a background with the XYZ color 34.9903, 37.3756, 46.4443.



This preview shows how white text looks on a background with the XYZ color 34.9903, 37.3756,

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

34.9903, 37.3756, 46.4443

Protanopia

36.0470, 37.1429, 45.3138

Deuteranopia

37.9622, 37.3146, 46.7966



Tritanopia

35.2905, 37.4957, 48.0252

Trichromacy



Original Color

34.9903, 37.3756, 46.4443

Protanomaly

35.7113, 37.2231, 45.8600

Deuteranomaly

36.7925, 37.2305, 46.8420

Tritanomaly

35.1897, 37.4554, 47.4944

Monochromacy



Original Color

34.9903, 37.3756, 46.4443

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.2210, 37.3145, 42.3919

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.9903, 37.3756, 46.4443 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(155, 166, 176)` looks like.

```
.text, #text, p{  
    color:rgb(155, 166, 176)  
}
```

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(155, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 166, 176) }
```

Border

The CSS property to change the border of an element to XYZ 34.9903, 37.3756, 46.4443 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(155, 166, 176) }
```


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

```
.border{ border-color:rgb(155, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(155, 166,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 34.9903, 37.3756, 46.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 166, 176) }
```

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

```
.background{ background-color: rgb(155,  
166, 176) }
```

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