

Converting Colors

XYZ(32.8733, 33.3624, 38.6920)

Have a look what the booklet for
XYZ(32.8733, 33.3624, 38.6920)
contains.

XYZ(32.9775, 33.4012, 38.8914)	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(32.9775, 33.4012,
38.8914)**

Conversions

Conversions Part 1

Format	Color
Hex	A29AA2
RGB	162, 154, 162
RGB Percent	64%, 60%, 64%
CMY	0.3647, 0.3961, 0.3647
CMYK	0.00, 0.05, 0.00, 0.36
HSL	300°, 4%, 62%
HSV	300°, 5%, 64%
XYZ	32.9775, 33.4012, 38.8914
YIQ	157.3040, 2.2000, 4.1840

Conversions

Conversions Part 2

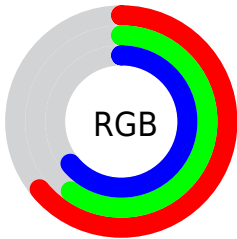
Format	Color
RYB	162, 154, 162
Decimal	10656418
CIELab	64.48, 4.43, -3.14
CIELCh	64, 5.425, 324.667
Yxy	33.4012, 0.3133, 0.3173
Android (android.graphics.Color)	4288846498 (0xFFA29AA2)
YUV	157.3040, 2.3151, 4.1184
Hunter-Lab	57.7938, 0.7142, 0.5574

Details

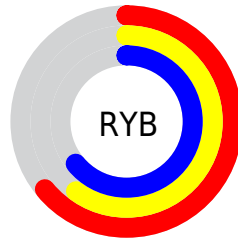
The XYZ color **32.9775, 33.4012, 38.8914** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.0808, 35.0447, 35.6471**, and the grayscale version is **32.1747, 33.8503, 36.8630**.

A 20% lighter version of the original color is **63.6955, 64.8732, 74.8103**, and **14.0951, 14.1413, 16.7385** is the 20% darker color. If you saturate the color by 10%, you get **30.4825, 28.4108, 38.0600**, and if you desaturate by 10%, it is **35.8353, 39.1162, 39.8446**.

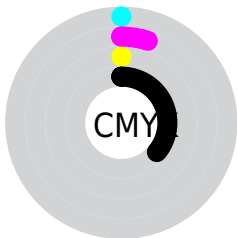
Distribution



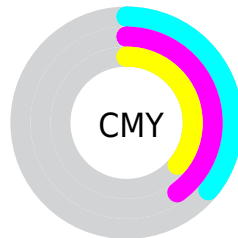
- Red (64%)
- Green (60%)
- Blue (64%)



- Red (64%)
- Yellow (60%)
- Blue (64%)



- Cyan (0%)
- Magenta (5%)
- Yellow (0%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9775, 33.4012, 38.8914 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 32.9775, 33.4012, 38.8914 by changing the saturation by 10% instead.

■ 32.9775, 33.4012,
38.8914

■ 32.9775, 33.4012,
38.8914

307.2151,
317.4537, 356.8407

■ 22.2684, 22.4340,
26.3681

■ 63.6953, 65.0014,
74.6909

■ 14.1719, 14.1761,
16.8710

■ 84.4347, 86.4032,
98.8041

■ 8.3228, 8.2433,
9.9816

109.2482,
112.0519, 127.6178

■ 4.3558, 4.2510,
5.2813

138.5012,
142.3319, 161.5504

■ 1.9053, 1.8149,
2.3516

172.5590,
177.6278, 201.0204

■ 0.5799, 0.4965,
0.7599

211.7871,

■ 0.0000, 0.0000,

218.3237, 246.4464

0.0000

256.5506,
264.8043, 298.2470

■ 32.9775, 33.4012,
38.8914

■ 32.9775, 33.4012,
38.8914

■ 30.4825, 28.4108,
38.0600

■ 35.8353, 39.1162,
39.8446

■ 28.3331, 24.1121,
37.3433

■ 39.0665, 45.5785,
40.9218

■ 26.5149, 20.4757,
36.7371

■ 42.6849, 52.8154,
42.1281

■ 25.0114, 17.4688,
36.2357

■ 46.7029, 60.8512,
43.4676

■ 23.8048, 15.0556,
35.8334

■ 51.1320, 69.7095,
44.9442

■ 22.8754, 13.1969,
35.5234

■ 55.9836, 79.4125,
46.5616

■ 22.2013, 11.8486,
35.2985

■ 57.1825, 81.8103,
46.9614

■ 21.7569, 10.9601,
35.1502

■ 57.1825, 81.8103,
46.9616

■ 21.5109, 10.4681,
35.0680

■ 57.1826, 81.8103,
46.9618

Harmonies

Analogous

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



32.3725, 33.4012, 40.3840



32.9775, 33.4012, 38.8914



33.2530, 33.4012, 36.7662

Triad

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



32.9775, 33.4012, 38.8914



31.8855, 33.4012, 32.2842



30.4124, 33.4012, 38.1777

Complementary

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



32.9775, 33.4012, 38.8914



32.0808, 35.0447, 35.6471

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.



30.2868, 33.4012, 35.9732



32.9775, 33.4012, 38.8914



31.1293, 33.4012, 32.6279

Square

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



32.9775, 33.4012, 38.8914



32.6160, 33.4012, 32.9981



30.5472, 33.4012, 33.9566



30.8932, 33.4012, 39.9603

Rectangle

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



32.9775, 33.4012, 38.8914



33.2097, 33.4012, 35.2988



30.5472, 33.4012, 33.9566



30.3276, 33.4012, 37.4590

Sweetspot

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



32.9785, 33.4026, 38.8921



61.8217, 64.5441, 71.2560



31.4051, 32.5915, 38.8186



13.8916, 14.5097, 16.0060



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.9785, 33.4026, 38.8921



59.3022, 59.5052, 70.4160



32.6285, 33.2627, 37.0495



7.5295, 7.5325, 8.9601



16.8764, 8.1066, 27.6036



0.3546, 0.1703, 0.5800

Inverse Universe

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



32.9785, 33.4026, 38.8921



59.3022, 59.5052, 70.4160



32.4195, 35.1802, 37.4307



7.5295, 7.5325, 8.9601



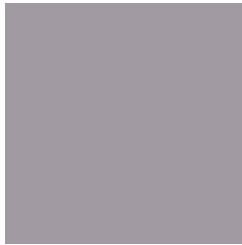
16.8764, 8.1066, 27.6036



0.3546, 0.1703, 0.5800

Previews

White Background



This preview shows how the XYZ color 32.9775, 33.4012, 38.8914 looks on a white background.

Color Contrast Check

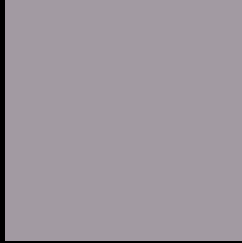
Large Text (above 18pt) WCAG AA × Fail

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 32.9775, 33.4012, 38.8914 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

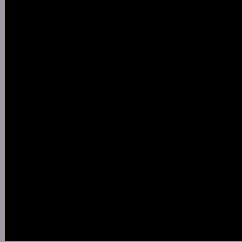
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9775, 33.4012, 38.8914

Background



This preview shows how black text looks on a background with the XYZ color 32.9775, 33.4012, 38.8914.



This preview shows how white text looks on a background with the XYZ color 32.9775, 33.4012,

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

32.9775, 33.4012, 38.8914

Protanopia

32.2368, 33.2551, 39.3701

Deuteranopia

34.1120, 33.5001, 38.8507



Tritanopia

33.3784, 33.3222, 40.7490

Trichromacy



Original Color

32.9775, 33.4012, 38.8914

Protanomaly

32.6303, 33.4580, 39.3886

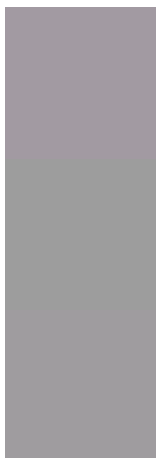
Deuteranomaly

33.6387, 33.4981, 38.8752

Tritanomaly

33.2870, 33.2856, 40.2677

Monochromacy



Original Color

32.9775, 33.4012, 38.8914

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4446, 33.6511, 37.5862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9775, 33.4012, 38.8914 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(162, 154, 162)` looks like.

```
.text, #text, p{  
    color:rgb(162, 154, 162)  
}
```

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(162, 154, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 154, 162) }
```

Border

The CSS property to change the border of an element to XYZ 32.9775, 33.4012, 38.8914 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(162, 154, 162) }
```


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

```
.border{ border-color:rgb(162, 154, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 154, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 154, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 154, 162);  
box-shadow:4px 4px 4px 4px rgb(162, 154,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9775, 33.4012, 38.8914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 154, 162) }
```

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

```
.background{ background-color: rgb(162,  
154, 162) }
```

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