

Converting Colors

XYZ(33.3130, 32.3819, 40.4518)

Have a look what the booklet for
XYZ(33.3130, 32.3819, 40.4518)
contains.

XYZ(33.3563, 32.3551, 40.5635)	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(33.3563, 32.3551,
40.5635)**

Conversions

Conversions Part 1

Format	Color
Hex	A695A6
RGB	166, 149, 166
RGB Percent	65%, 58%, 65%
CMY	0.3490, 0.4157, 0.3490
CMYK	0.00, 0.10, 0.00, 0.35
HSL	300°, 9%, 62%
HSV	300°, 10%, 65%
XYZ	33.3563, 32.3551, 40.5635
YIQ	156.0210, 4.6750, 8.8910

Conversions

Conversions Part 2

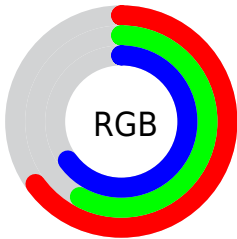
Format	Color
RYB	166, 149, 166
Decimal	10917286
CIELab	63.64, 9.43, -6.61
CIELCh	64, 11.511, 324.973
Yxy	32.3551, 0.3139, 0.3044
Android (android.graphics.Color)	4289107366 (0xFFA695A6)
YUV	156.0210, 4.9196, 8.7516
Hunter-Lab	56.8815, 5.1327, -2.4639

Details

The XYZ color **33.3563, 32.3551, 40.5635** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.4567, 35.8329, 33.6940**, and the grayscale version is **31.5874, 33.2324, 36.1901**.

A 20% lighter version of the original color is **64.2259, 63.3045, 77.2405**, and **14.3444, 13.5277, 17.7747** is the 20% darker color. If you saturate the color by 10%, you get **30.9153, 27.4726, 39.7501**, and if you desaturate by 10%, it is **36.1735, 37.9891, 41.5030**.

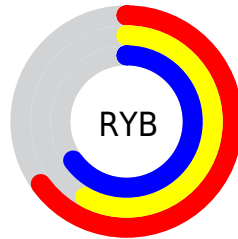
Distribution



Red (65%)

Green (58%)

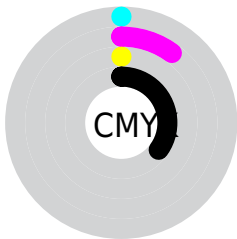
Blue (65%)



Red (65%)

Yellow (58%)

Blue (65%)

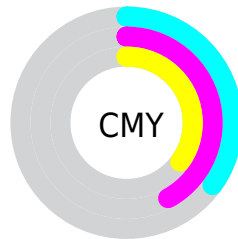


Cyan (0%)

Magenta (10%)

Yellow (0%)

Black (35%)



Cyan (35%)

Magenta (42%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3563, 32.3551, 40.5635 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 33.3563, 32.3551, 40.5635 by changing the saturation by 10% instead.

■ 33.3563, 32.3551,
40.5635

■ 33.3563, 32.3551,
40.5635

308.8889,
312.7337, 364.1154

■ 22.5601, 21.6329,
27.6610

■ 64.2824, 63.3674,
77.2673

■ 14.3879, 13.5874,
17.8335

■ 85.1429, 84.4262,
101.9057

■ 8.4745, 7.8343,
10.6623

110.0890,
109.6993, 131.2932

■ 4.4544, 3.9891,
5.7289

139.4858,
139.5712, 165.8482

■ 1.9623, 1.6675,
2.6149

173.6989,
174.4262, 205.9895

■ 0.6126, 0.4024,
0.9001

213.0935,

■ 0.0000, 0.0000,

214.6486, 252.1354

0.0000

258.0351,
260.6230, 304.7045

■ 33.3563, 32.3551,
40.5635

■ 33.3563, 32.3551,
40.5635

■ 30.9153, 27.4726,
39.7501

■ 36.1735, 37.9891,
41.5030

■ 28.8319, 23.3059,
39.0556

■ 39.3790, 44.4000,
42.5716

■ 27.0903, 19.8226,
38.4750

■ 42.9876, 51.6172,
43.7745

■ 25.6721, 16.9863,
38.0022

■ 47.0128, 59.6675,
45.1163

■ 24.5575, 14.7571,
37.6306

■ 51.4671, 68.5762,
46.6012

■ 23.7243, 13.0908,
37.3528

■ 56.3629, 78.3676,
48.2332

■ 23.1475, 11.9371,
37.1605

■ 58.3693, 82.3804,
48.9020

■ 22.7974, 11.2369,
37.0437

■ 58.3693, 82.3804,
48.9021

■ 22.6090, 10.8603,
36.9808

■ 58.3693, 82.3804,
48.9022

Harmonies

Analogous

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



32.0774, 32.3551, 43.8873



33.3563, 32.3551, 40.5635



33.9386, 32.3551, 36.0113

Triad

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



33.3563, 32.3551, 40.5635



31.0244, 32.3551, 27.1193



28.0323, 32.3551, 39.1041

Complementary

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



33.3563, 32.3551, 40.5635



31.4567, 35.8329, 33.6940

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.



27.7724, 32.3551, 34.4585



33.3563, 32.3551, 40.5635



29.4647, 32.3551, 27.7920

Square

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



33.3563, 32.3551, 40.5635



32.5627, 32.3551, 28.4601



28.2880, 32.3551, 30.3843



29.0107, 32.3551, 42.9946

Rectangle

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



33.3563, 32.3551, 40.5635



33.8393, 32.3551, 32.9891



28.2880, 32.3551, 30.3843



27.8595, 32.3551, 37.5685

Sweetspot

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



33.3572, 32.3565, 40.5642



64.1406, 65.9257, 74.8196



30.0263, 30.6393, 40.4084



14.2609, 14.5678, 16.7124



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



33.3572, 32.3565, 40.5642



59.6070, 56.8585, 73.3083



32.6030, 32.0548, 36.5926



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6764



0.4266, 0.2049, 0.6977

Inverse Universe

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



33.3572, 32.3565, 40.5642



59.6070, 56.8585, 73.3083



32.1604, 36.1143, 37.3995



7.8419, 7.6666, 9.4848



17.5319, 8.4215, 28.6764



0.4266, 0.2049, 0.6977

Previews

White Background



This preview shows how the XYZ color 33.3563, 32.3551, 40.5635 looks on a white background.

Color Contrast Check

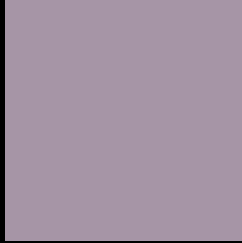
Large Text (above 18pt) WCAG AA × Fail

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 33.3563, 32.3551, 40.5635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

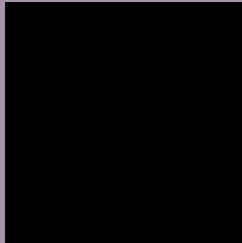
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3563, 32.3551, 40.5635

Background



This preview shows how black text looks on a background with the XYZ color 33.3563, 32.3551, 40.5635.



This preview shows how white text looks on a background with the XYZ color 33.3563, 32.3551,

40.5635.

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

33.3563, 32.3551, 40.5635

Protanopia

31.6895, 32.4193, 42.1235

Deuteranopia

33.0991, 32.4584, 40.5970



Tritanopia

32.9450, 32.4207, 38.7038

Trichromacy



Original Color

33.3563, 32.3551, 40.5635

Protanomaly

32.3967, 32.5527, 41.6216

Deuteranomaly

33.3063, 32.5652, 40.6067

Tritanomaly

33.0343, 32.4564, 39.1739

Monochromacy



Original Color

33.3563, 32.3551, 40.5635

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.2336, 32.7941, 37.8887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3563, 32.3551, 40.5635 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(166, 149, 166)` looks like.

```
.text, #text, p{  
    color:rgb(166, 149, 166)  
}
```

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(166, 149, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 149, 166) }
```

Border

The CSS property to change the border of an element to XYZ 33.3563, 32.3551, 40.5635 is called "border". The border property can be set on classes, ids or directly on the HTML element.

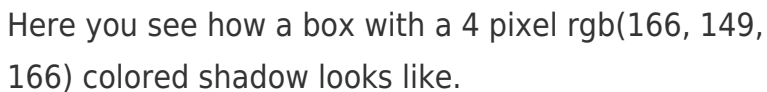
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 149, 166) }
```


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

```
.border{ border-color:rgb(166, 149, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(166, 149, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(166, 149, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(166, 149, 166); box-shadow:4px 4px 4px 4px rgb(166, 149, 166) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3563, 32.3551, 40.5635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 149, 166) }
```

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

```
.background{ background-color: rgb(166,  
149, 166) }
```

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