

Converting Colors

XYZ(32.6960, 33.2532, 40.6515)

Have a look what the booklet for
XYZ(32.6960, 33.2532, 40.6515)
contains.

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Color

**XYZ(32.7366, 33.2353,
40.7660)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9AA6
RGB	159, 154, 166
RGB Percent	62%, 60%, 65%
CMY	0.3765, 0.3961, 0.3490
CMYK	0.04, 0.07, 0.00, 0.35
HSL	265°, 6%, 63%
HSV	265°, 7%, 65%
XYZ	32.7366, 33.2353, 40.7660
YIQ	156.8630, -0.8720, 4.7920

Conversions

Conversions Part 2

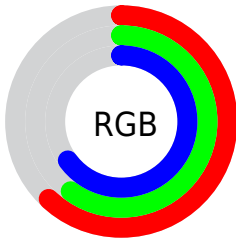
Format	Color
R _Y B	159, 154, 166
Decimal	10459814
CIE Lab	64.35, 4.14, -5.61
CIE LCh	64, 6.976, 306.441
Yxy	33.2353, 0.3067, 0.3114
Android (android.graphics.Color)	4288649894 (0xFF9F9AA6)
YUV	156.8630, 4.5045, 1.8741
Hunter-Lab	57.6501, 0.4736, -1.5706

Details

The XYZ color **32.7366, 33.2353, 40.7660** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.1681, 37.1834, 35.9498**, and the grayscale version is **31.9677, 33.6325, 36.6258**.

A 20% lighter version of the original color is **63.3386, 64.6283, 77.5428**, and **14.0719, 14.1035, 17.9002** is the 20% darker color. If you saturate the color by 10%, you get **28.3383, 27.1788, 39.8293**, and if you desaturate by 10%, it is **37.6662, 40.1300, 41.8375**.

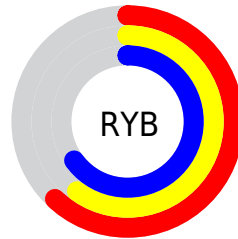
Distribution



Red (62%)

Green (60%)

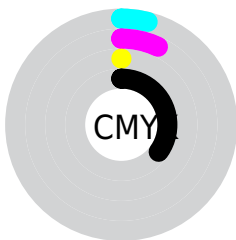
Blue (65%)



Red (62%)

Yellow (60%)

Blue (65%)

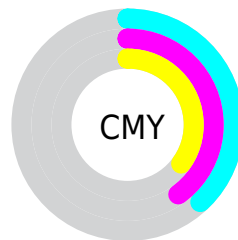


Cyan (4%)

Magenta (7%)

Yellow (0%)

Black (35%)



Cyan (38%)

Magenta (40%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.7366, 33.2353, 40.7660 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 32.7366, 33.2353, 40.7660 by changing the saturation by 10% instead.

■ 32.7366, 33.2353,
40.7660

■ 32.7366, 33.2353,
40.7660

306.1472,
316.7087, 364.9893

■ 22.0830, 22.3068,
27.8180

■ 63.3215, 64.7427,
77.5784

■ 14.0349, 14.0825,
17.9506

■ 83.9835, 86.0904,
102.2798

■ 8.2268, 8.1781,
10.7455

108.7124,
111.6799, 131.7360

■ 4.2934, 4.2091,
5.7839

137.8735,
141.8956, 166.3657

■ 1.8694, 1.7912,
2.6475

171.8322,
177.1220, 206.5873

■ 0.5590, 0.4817,
0.9168

210.9538,

■ 0.0000, 0.0000,

217.7433, 252.8194

0.0000

255.6037,
264.1441, 305.4806

■ 32.7366, 33.2353,
40.7660

■ 32.7366, 33.2353,
40.7660

■ 28.3383, 27.1788,
39.8293

■ 37.6662, 40.1300,
41.8375

■ 24.4496, 21.9237,
39.0199

■ 43.1422, 47.8895,
43.0466

■ 21.0514, 17.4364,
38.3329

■ 49.1825, 56.5445,
44.3988

■ 18.1221, 13.6794,
37.7621

■ 55.8033, 66.1228,
45.8987

■ 15.6386, 10.6121,
37.3009

■ 63.0203, 76.6512,
47.5505

13.5755, 8.1896,
36.9421

70.8483, 88.1550,
49.3584

11.9044, 6.3614,
36.6773

74.2580, 90.5713,
49.6451

10.5929, 5.0694,
36.4970

77.3959, 92.1890,
49.7919

9.5931, 4.2245,
36.3866

80.7084, 93.8966,
49.9469

Harmonies

Analogous

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



31.8038, 33.2353, 41.8962



32.7366, 33.2353, 40.7660



33.3714, 33.2353, 38.4169

Triad

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



32.7366, 33.2353, 40.7660



32.3583, 33.2353, 31.4043



29.7301, 33.2353, 36.8043

Complementary

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



32.7366, 33.2353, 40.7660



34.1681, 37.1834, 35.9498

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.



29.8715, 33.2353, 34.0462



32.7366, 33.2353, 40.7660



31.3755, 33.2353, 31.0226

Square

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



32.7366, 33.2353, 40.7660



33.1498, 33.2353, 33.0366



30.4688, 33.2353, 31.9655



30.0783, 33.2353, 39.5329

Rectangle

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



32.7366, 33.2353, 40.7660



33.5329, 33.2353, 36.5280



30.4688, 33.2353, 31.9655



29.7221, 33.2353, 35.8493

Sweetspot

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



32.7376, 33.2367, 40.7667



63.9353, 66.6209, 74.9646



32.9904, 35.1840, 41.1293



14.3304, 14.9405, 16.7807



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.



32.7376, 33.2367, 40.7667



57.7918, 58.0711, 73.6382



33.9150, 33.8437, 40.8218



7.4168, 7.4475, 9.4649



7.2995, 3.1465, 28.1981



0.2362, 0.1068, 0.6888

Inverse Universe

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



33.7156, 33.7929, 38.4655



60.0245, 59.3410, 68.3682



33.0261, 36.5947, 35.8963



7.7077, 7.6130, 8.7781



13.8862, 6.9632, 9.4781



0.3625, 0.1793, 0.3602

Previews

White Background



This preview shows how the XYZ color 32.7366, 33.2353, 40.7660 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 32.7366, 33.2353, 40.7660 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 32.7366, 33.2353, 40.7660

Background



This preview shows how black text looks on a background with the XYZ color 32.7366, 33.2353, 40.7660.

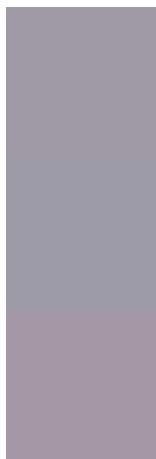


This preview shows how white text looks on a background with the XYZ color 32.7366, 33.2353,

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

32.7366, 33.2353, 40.7660

Protanopia

32.4067, 33.3006, 41.2789

Deuteranopia

33.7675, 33.0302, 41.1549



Tritanopia

32.7366, 33.2353, 40.7660

Trichromacy



Original Color

32.7366, 33.2353, 40.7660

Protanomaly

32.6010, 33.4008, 41.2880

Deuteranomaly

33.3075, 33.0330, 41.1797

Tritanomaly

32.7366, 33.2353, 40.7660

Monochromacy



Original Color

32.7366, 33.2353, 40.7660

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3342, 33.5841, 38.0359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7366, 33.2353, 40.7660 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(159, 154, 166)` looks like.

```
.text, #text, p{  
    color:rgb(159, 154, 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(159, 154, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 154, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.7366, 33.2353, 40.7660 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(159, 154, 166) }
```


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

```
.border{ border-color:rgb(159, 154, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 154, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 154, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 154, 166);  
box-shadow:4px 4px 4px 4px rgb(159, 154,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7366, 33.2353, 40.7660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 154, 166) }
```

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

```
.background{ background-color: rgb(159,  
154, 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](#).

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