

Converting Colors

XYZ(32.8084, 33.7206, 40.7358)

Have a look what the booklet for
XYZ(32.8084, 33.7206, 40.7358)
contains.

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Color

**XYZ(32.8720, 33.7992,
40.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9CA6
RGB	158, 156, 166
RGB Percent	62%, 61%, 65%
CMY	0.3804, 0.3882, 0.3490
CMYK	0.05, 0.06, 0.00, 0.35
HSL	252°, 5%, 63%
HSV	252°, 6%, 65%
XYZ	32.8720, 33.7992, 40.8678
YIQ	157.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

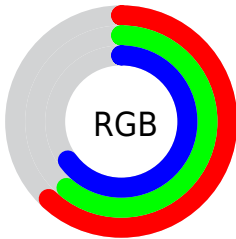
Format	Color
R_{YB}	158, 156, 166
Decimal	10394790
CIE Lab	64.80, 2.68, -4.95
CIE LCh	65, 5.631, 298.404
Yxy	33.7992, 0.3057, 0.3143
Android (android.graphics.Color)	4288584870 (0xFF9E9CA6)
YUV	157.7380, 4.0732, 0.2298
Hunter-Lab	58.1371, -0.8120, -0.9823

Details

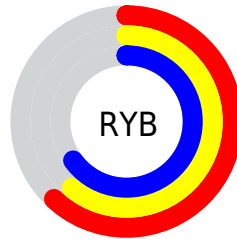
The XYZ color **32.8720, 33.7992, 40.8678** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9480, 37.5661, 36.8631**, and the grayscale version is **32.3644, 34.0498, 37.0803**.

A 20% lighter version of the original color is **63.5383, 65.4598, 77.6928**, and **14.1522, 14.4439, 17.9616** is the 20% darker color. If you saturate the color by 10%, you get **27.8018, 27.3298, 39.8868**, and if you desaturate by 10%, it is **38.6073, 41.1785, 41.9904**.

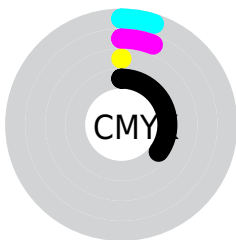
Distribution



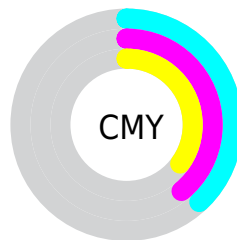
- Red (62%)
- Green (61%)
- Blue (65%)



- Red (62%)
- Yellow (61%)
- Blue (65%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (35%)



- Cyan (38%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8720, 33.7992, 40.8678 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 32.8720, 33.7992, 40.8678 by changing the saturation by 10% instead.

■ 32.8720, 33.7992,
40.8678

■ 32.8720, 33.7992,
40.8678

306.7478,
319.2358, 365.4281

■ 22.1872, 22.7394,
27.8969

■ 63.5317, 65.6213,
77.7347

■ 14.1119, 14.4012,
18.0096

■ 84.2372, 87.1523,
102.4677

■ 8.2807, 8.4002,
10.7873

109.0137,
112.9426, 131.9585

■ 4.3284, 4.3521,
5.8117

138.2265,
143.3765, 166.6256

■ 1.8896, 1.8724,
2.6640

172.2409,
178.8383, 206.8876

■ 0.5708, 0.5317,
0.9252

211.4224,

■ 0.0000, 0.0000,

219.7126, 253.1629

0.0000

256.1362,
266.3836, 305.8703

■ 32.8720, 33.7992,
40.8678

■ 32.8720, 33.7992,
40.8678

■ 27.8018, 27.3298,
39.8868

■ 38.6073, 41.1785,
41.9904

■ 23.3694, 21.7306,
39.0397

■ 45.0278, 49.4967,
43.2576

■ 19.5501, 16.9655,
38.3212

■ 52.1563, 58.7869,
44.6750

■ 16.3163, 12.9942,
37.7251

■ 60.0138, 69.0792,
46.2475

■ 13.6383, 9.7728,
37.2445

■ 68.6202, 80.4024,
47.9795

■ 11.4838, 7.2534,
36.8717

■ 77.8016, 92.3981,
49.8110

■ 9.8167, 5.3821,
36.5984

■ 82.4198, 94.7789,
50.0271

■ 8.5963, 4.0973,
36.4147

■ 83.8830, 95.5332,
50.0956

■ 7.7710, 3.3174,
36.3077

Harmonies

Analogous

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



32.0818, 33.7992, 41.4447



32.8720, 33.7992, 40.8678



33.4706, 33.7992, 39.1893

Triad

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



32.8720, 33.7992, 40.8678



32.9484, 33.7992, 33.1302



30.5927, 33.7992, 36.6775

Complementary

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



32.8720, 33.7992, 40.8678



34.9480, 37.5661, 36.8631

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.



30.8162, 33.7992, 34.5129



32.8720, 33.7992, 40.8678



32.1685, 33.7992, 32.5189

Square

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



32.8720, 33.7992, 40.8678



33.5152, 33.7992, 34.7195



31.3897, 33.7992, 33.0144



30.7740, 33.7992, 38.9653

Rectangle

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



32.8720, 33.7992, 40.8678



33.6757, 33.7992, 37.7058



31.3897, 33.7992, 33.0144



30.6229, 33.7992, 35.9119

Sweetspot

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



32.8730, 33.8006, 40.8685



63.6615, 66.4797, 74.9518



33.8997, 36.4327, 41.3225



14.2725, 14.9107, 16.7779



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.



32.8730, 33.8006, 40.8685



58.5827, 59.9635, 73.9618



33.8427, 34.3005, 40.9139



7.4941, 7.6610, 9.5021



5.8599, 2.4043, 28.1307



0.1809, 0.0783, 0.6862

Inverse Universe

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



34.3163, 34.5657, 39.9867



61.6641, 61.5971, 72.0690



33.9692, 37.0616, 36.8173



7.9066, 7.8797, 9.2483



15.4851, 7.6028, 17.8981



0.3927, 0.1913, 0.5192

Previews

White Background



This preview shows how the XYZ color 32.8720, 33.7992, 40.8678 looks on a white background.

Color Contrast Check

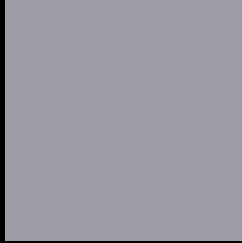
Large Text (above 18pt) WCAG AA × Fail

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 32.8720, 33.7992, 40.8678 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

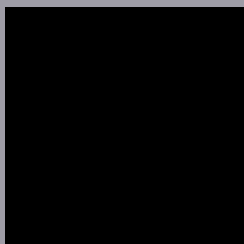
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

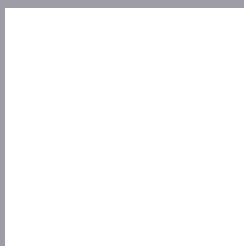
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8720, 33.7992, 40.8678

Background



This preview shows how black text looks on a background with the XYZ color 32.8720, 33.7992, 40.8678.



This preview shows how white text looks on a background with the XYZ color 32.8720, 33.7992,

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

32.8720, 33.7992, 40.8678

Protanopia

32.6760, 33.6982, 40.8586

Deuteranopia

34.5147, 33.8973, 41.2829



Tritanopia

33.0569, 33.8732, 41.8417

Trichromacy



Original Color

32.8720, 33.7992, 40.8678

Protanomaly

32.6760, 33.6982, 40.8586

Deuteranomaly

33.8405, 33.7937, 41.2985

Tritanomaly

32.9641, 33.8361, 41.3528

Monochromacy



Original Color

32.8720, 33.7992, 40.8678

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.5905, 33.9563, 38.5547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8720, 33.7992, 40.8678 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(158, 156, 166) looks like.

```
.text, #text, p{  
    color:rgb(158, 156, 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(158, 156, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 156, 166) }
```

Border

The CSS property to change the border of an element to XYZ 32.8720, 33.7992, 40.8678 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(158, 156, 166) }
```


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

```
.border{ border-color:rgb(158, 156, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 156, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 156, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 156, 166);  
box-shadow:4px 4px 4px 4px rgb(158, 156,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8720, 33.7992, 40.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 156, 166) }
```

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

```
.background{ background-color: rgb(158,  
156, 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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