

Converting Colors

XYZ(32.5718, 32.9793, 36.8349)

Have a look what the booklet for
XYZ(32.5718, 32.9793, 36.8349)
contains.

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Color

**XYZ(32.6670, 33.0376,
37.0029)**

Conversions

Conversions Part 1

Format	Color
Hex	A3999E
RGB	163, 153, 158
RGB Percent	64%, 60%, 62%
CMY	0.3608, 0.4000, 0.3804
CMYK	0.00, 0.06, 0.03, 0.36
HSL	330°, 5%, 62%
HSV	330°, 6%, 64%
XYZ	32.6670, 33.0376, 37.0029
YIQ	156.5600, 4.3550, 3.6750

Conversions

Conversions Part 2

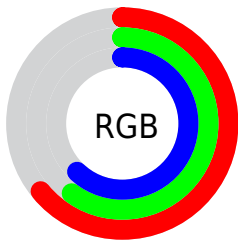
Format	Color
RYB	163, 153, 158
Decimal	10721694
CIELab	64.19, 4.58, -1.31
CIELCh	64, 4.766, 344.073
Yxy	33.0376, 0.3181, 0.3217
Android (android.graphics.Color)	4288911774 (0xFFA3999E)
YUV	156.5600, 0.7099, 5.6479
Hunter-Lab	57.4783, 0.8608, 2.0656

Details

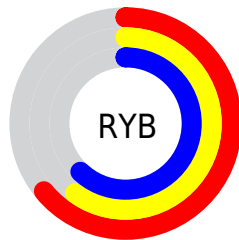
The XYZ color **32.6670, 33.0376, 37.0029** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.4068, 35.4361, 37.4812**, and the grayscale version is **31.8466, 33.5051, 36.4871**.

A 20% lighter version of the original color is **63.2365, 64.3352, 72.0358**, and **13.9608, 13.9438, 15.8655** is the 20% darker color. If you saturate the color by 10%, you get **29.5009, 27.7910, 32.5997**, and if you desaturate by 10%, it is **36.2460, 39.0346, 41.7742**.

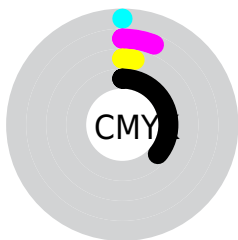
Distribution



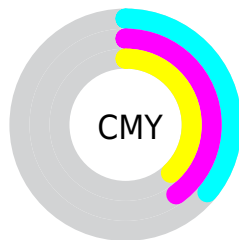
- Red (64%)
- Green (60%)
- Blue (62%)



- Red (64%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (3%)
- Black (36%)



- Cyan (36%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.6670, 33.0376, 37.0029 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 32.6670, 33.0376, 37.0029 by changing the saturation by 10% instead.

■ 32.6670, 33.0376,
37.0029

■ 32.6670, 33.0376,
37.0029

305.8381,
315.8191, 348.4921

■ 22.0295, 22.1553,
24.9139

■ 63.2134, 64.4342,
71.7636

■ 13.9953, 13.9710,
15.7945

■ 83.8531, 85.7173,
95.2725

■ 8.1991, 8.1005,
9.2261

108.5575,
111.2361, 123.4250

■ 4.2755, 4.1593,
4.7901

137.6920,
141.3749, 156.6398

■ 1.8591, 1.7631,
2.0681

171.6219,
176.5183, 195.3353

■ 0.5529, 0.4640,
0.5967

210.7127,

■ 0.0000, 0.0000,

217.0505, 239.9302

0.0000

255.3297,
263.3560, 290.8430

■ 32.6670, 33.0376,
37.0029

■ 32.6670, 33.0376,
37.0029

■ 29.5009, 27.7910,
32.5997

■ 36.2460, 39.0346,
41.7742

■ 26.7293, 23.2608,
28.5530

■ 40.2498, 45.8058,
46.9207

■ 24.3365, 19.4167,
24.8532

■ 44.6933, 53.3791,
52.4519

■ 22.3048, 16.2246,
21.4898

■ 49.5899, 61.7799,
58.3764

■ 20.6148, 13.6474,
18.4515

■ 54.9522, 71.0323,
64.7023

■ 19.2453, 11.6444,
15.7261

■ 60.7925, 81.1596,
71.4377

■ 18.1726, 10.1696,
13.3006

■ 63.1387, 84.2163,
77.2622

■ 17.3692, 9.1703,
11.1603

■ 64.2132, 84.6461,
82.9205

■ 16.7979, 8.5735,
9.2873

■ 65.3406, 85.0971,
88.8576

Harmonies

Analogous

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



32.3135, 33.0376, 38.7119



32.6670, 33.0376, 37.0029



32.6782, 33.0376, 35.0753

Triad

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



32.6670, 33.0376, 37.0029



31.0865, 33.0376, 32.4831



30.4772, 33.0376, 38.6225

Complementary

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



32.6670, 33.0376, 37.0029



32.4068, 35.4361, 37.4812

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.



30.1580, 33.0376, 36.8845



32.6670, 33.0376, 37.0029



30.5064, 33.0376, 33.3652

Square

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



32.6670, 33.0376, 37.0029



31.7591, 33.0376, 32.5122



30.1686, 33.0376, 34.9611



31.0461, 33.0376, 39.6696

Rectangle

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



32.6670, 33.0376, 37.0029



32.4896, 33.0376, 33.9281



30.1686, 33.0376, 34.9611



30.3375, 33.0376, 38.0971

Sweetspot

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



32.6679, 33.0390, 37.0036



61.0393, 63.4030, 69.6890



32.1038, 32.6975, 39.2699



13.7257, 14.2678, 15.6740



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.



32.6679, 33.0390, 37.0036



57.9072, 58.1736, 65.4546



32.2464, 32.8704, 34.7838



7.3531, 7.3728, 8.3064



12.9301, 6.5281, 6.8223



0.2955, 0.1467, 0.2690

Inverse Universe

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



32.6679, 33.0390, 37.0036



57.9072, 58.1736, 65.4546



32.8459, 35.6117, 39.7933



7.3531, 7.3728, 8.3064



12.9301, 6.5281, 6.8223



0.2955, 0.1467, 0.2690

Previews

White Background



This preview shows how the XYZ color 32.6670, 33.0376, 37.0029 looks on a white background.

Color Contrast Check

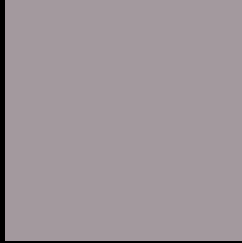
Large Text (above 18pt) WCAG AA × Fail

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 32.6670, 33.0376, 37.0029 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

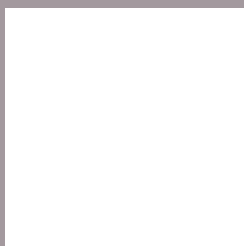
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.6670, 33.0376, 37.0029

Background



This preview shows how black text looks on a background with the XYZ color 32.6670, 33.0376, 37.0029.



This preview shows how white text looks on a background with the XYZ color 32.6670, 33.0376,

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

32.6670, 33.0376, 37.0029

Protanopia

31.8840, 33.1140, 37.5121

Deuteranopia

33.6003, 33.0369, 36.9536



Tritanopia

33.2389, 33.0293, 39.7454

Trichromacy



Original Color

32.6670, 33.0376, 37.0029

Protanomaly

32.1117, 32.9853, 37.4752

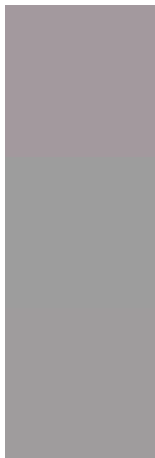
Deuteranomaly

33.3361, 33.1406, 36.9875

Tritanomaly

33.0597, 32.9576, 38.8014

Monochromacy



Original Color

32.6670, 33.0376, 37.0029

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.2723, 33.5822, 36.6794

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6670, 33.0376, 37.0029 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(163, 153, 158)` looks like.

```
.text, #text, p{  
    color:rgb(163, 153, 158)  
}
```

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(163, 153, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 153, 158) }
```

Border

The CSS property to change the border of an element to XYZ 32.6670, 33.0376, 37.0029 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(163, 153, 158) }
```


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

```
.border{ border-color:rgb(163, 153, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 153, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 153, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 153, 158);  
box-shadow:4px 4px 4px 4px rgb(163, 153,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6670, 33.0376, 37.0029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 153, 158) }
```

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

```
.background{ background-color: rgb(163,  
153, 158) }
```

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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