

Converting Colors

XYZ(33.3860, 32.9057, 38.8603)

Have a look what the booklet for
XYZ(33.3860, 32.9057, 38.8603)
contains.

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Color

**XYZ(33.3141, 32.8488,
38.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	A697A2
RGB	166, 151, 162
RGB Percent	65%, 59%, 64%
CMY	0.3490, 0.4078, 0.3647
CMYK	0.00, 0.09, 0.02, 0.35
HSL	316°, 8%, 62%
HSV	316°, 9%, 65%
XYZ	33.3141, 32.8488, 38.7670
YIQ	156.7390, 5.4090, 6.6010

Conversions

Conversions Part 2

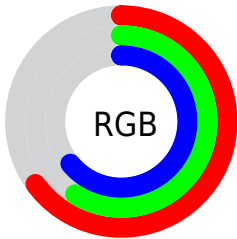
Format	Color
R_{YB}	166, 151, 162
Decimal	10917794
CIE Lab	64.04, 7.54, -3.76
CIE LCh	64, 8.424, 333.525
Yxy	32.8488, 0.3175, 0.3131
Android (android.graphics.Color)	4289107874 (0xFFA697A2)
YUV	156.7390, 2.5937, 8.1219
Hunter-Lab	57.3139, 3.4551, 0.0161

Details

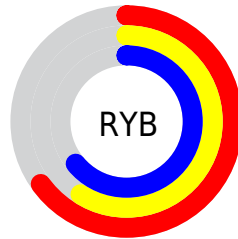
The XYZ color **33.3141, 32.8488, 38.7670** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3164, 36.2193, 36.2999**, and the grayscale version is **31.9184, 33.5806, 36.5693**.

A 20% lighter version of the original color is **64.1745, 64.0445, 74.6251**, and **14.3111, 13.8175, 16.6646** is the 20% darker color. If you saturate the color by 10%, you get **30.4420, 27.7231, 35.9021**, and if you desaturate by 10%, it is **36.5781, 38.7353, 41.8317**.

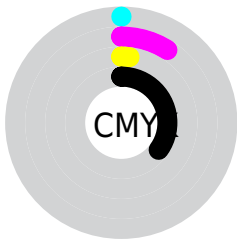
Distribution



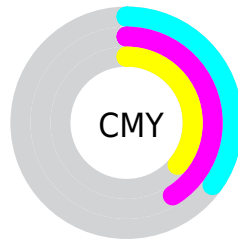
- Red (65%)
- Green (59%)
- Blue (64%)



- Red (65%)
- Yellow (59%)
- Blue (64%)



- Cyan (0%)
- Magenta (9%)
- Yellow (2%)
- Black (35%)



- Cyan (35%)
- Magenta (41%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3141, 32.8488, 38.7670 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 33.3141, 32.8488, 38.7670 by changing the saturation by 10% instead.

■ 33.3141, 32.8488,
38.7670

■ 33.3141, 32.8488,
38.7670

308.7027,
314.9679, 356.2952

■ 22.5276, 22.0106,
26.2721

■ 64.2170, 64.1394,
74.4987

■ 14.3638, 13.8647,
16.7997

■ 85.0641, 85.3606,
98.5725

■ 8.4575, 8.0266,
9.9313

109.9954,
110.8117, 127.3430

■ 4.4433, 4.1120,
5.2485

139.3763,
140.8769, 161.2288

■ 1.9559, 1.7364,
2.3325

173.5721,
175.9408, 200.6483

■ 0.6090, 0.4471,
0.7493

212.9482,

■ 0.0000, 0.0000,

216.3876, 246.0202

0.0000

257.8700,
262.6018, 297.7630

■ 33.3141, 32.8488,
38.7670

■ 33.3141, 32.8488,
38.7670

■ 30.4420, 27.7231,
35.9021

■ 36.5781, 38.7353,
41.8317

■ 27.9433, 23.3225,
33.2289

■ 40.2461, 45.4077,
45.0998

■ 25.8019, 19.6149,
30.7419

■ 44.3330, 52.8955,
48.5773

■ 23.9997, 16.5643,
28.4341

■ 48.8523, 61.2251,
52.2693

■ 22.5169, 14.1311,
26.2984

■ 53.8166, 70.4218,
56.1807

■ 21.3315, 12.2717,
24.3267

■ 59.2384, 80.5100,
60.3163

■ 20.4186, 10.9365,
22.5098

■ 61.1113, 83.4772,
63.3413

■ 19.7491, 10.0677,
20.8373

■ 61.6128, 83.6778,
65.9821

■ 19.2658, 9.5508,
19.2895

■ 62.1292, 83.8844,
68.7015

Harmonies

Analogous

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



32.5021, 32.8488, 41.5097



33.3141, 32.8488, 38.7670



33.5606, 32.8488, 35.3656

Triad

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



33.3141, 32.8488, 38.7670



31.0814, 32.8488, 29.6194



29.3537, 32.8488, 39.5077

Complementary

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



33.3141, 32.8488, 38.7670



32.3164, 36.2193, 36.2999

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.



28.9942, 32.8488, 36.1710



33.3141, 32.8488, 38.7670



29.9756, 32.8488, 30.5795

Square

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



33.3141, 32.8488, 38.7670



32.2525, 32.8488, 30.2182



29.2190, 32.8488, 32.9254



30.2133, 32.8488, 41.9561

Rectangle

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



33.3141, 32.8488, 38.7670



33.3661, 32.8488, 33.2155



29.2190, 32.8488, 32.9254



29.1714, 32.8488, 38.4454

Sweetspot

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



33.3150, 32.8502, 38.7677



63.9165, 65.8360, 73.6393



31.4684, 31.8565, 40.5674



14.1979, 14.5426, 16.3804



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.



33.3150, 32.8502, 38.7677



59.2721, 57.4851, 69.1999



32.6681, 32.5915, 35.3610



7.7552, 7.6319, 9.0282



14.9255, 7.3789, 14.9509



0.3826, 0.1873, 0.4664

Inverse Universe

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



33.3150, 32.8502, 38.7677



59.2721, 57.4851, 69.1999



32.9660, 36.4791, 39.7205



7.7552, 7.6319, 9.0282



14.9255, 7.3789, 14.9509



0.3826, 0.1873, 0.4664

Previews

White Background



This preview shows how the XYZ color 33.3141, 32.8488, 38.7670 looks on a white background.

Color Contrast Check

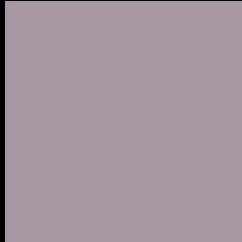
Large Text (above 18pt) WCAG AA × Fail

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 33.3141, 32.8488, 38.7670 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 33.3141, 32.8488, 38.7670

Background



This preview shows how black text looks on a background with the XYZ color 33.3141, 32.8488, 38.7670.



This preview shows how white text looks on a background with the XYZ color 33.3141, 32.8488,

38.7670.

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

33.3141, 32.8488, 38.7670

Protanopia

31.7740, 32.7601, 39.7706

Deuteranopia

33.5245, 32.9573, 38.7769



Tritanopia

33.4034, 32.8846, 39.2371

Trichromacy



Original Color

33.3141, 32.8488, 38.7670

Protanomaly

32.3002, 32.7977, 39.2785

Deuteranomaly

33.5245, 32.9573, 38.7769

Tritanomaly

33.4034, 32.8846, 39.2371

Monochromacy



Original Color

33.3141, 32.8488, 38.7670

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.4766, 33.4195, 37.5398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3141, 32.8488, 38.7670 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, 151, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 151, 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(166, 151, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 151, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.3141, 32.8488, 38.7670 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, 151, 162) }
```


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

```
.border{ border-color:rgb(166, 151, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 151, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 151, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 151, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 151,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3141, 32.8488, 38.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 151, 162) }
```

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

```
.background{ background-color: rgb(166,  
151, 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](#).

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