

Converting Colors

XYZ(33.0800, 33.4936, 33.3677)

Have a look what the booklet for
XYZ(33.0800, 33.4936, 33.3677)
contains.

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Color

**XYZ(33.2091, 33.6380,
33.5966)**

Conversions

Conversions Part 1

Format	Color
Hex	A89A96
RGB	168, 154, 150
RGB Percent	66%, 60%, 59%
CMY	0.3412, 0.3961, 0.4118
CMYK	0.00, 0.08, 0.11, 0.34
HSL	13°, 9%, 62%
HSV	13°, 11%, 66%
XYZ	33.2091, 33.6380, 33.5966
YIQ	157.7300, 9.6280, 1.7240

Conversions

Conversions Part 2

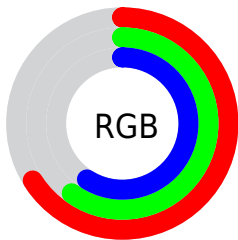
Format	Color
RYB	168, 155, 150
Decimal	11049622
CIELab	64.67, 4.43, 3.95
CIELCh	65, 5.932, 41.700
Yxy	33.6380, 0.3306, 0.3349
Android (android.graphics.Color)	4289239702 (0xFFA89A96)
YUV	157.7300, -3.8109, 9.0068
Hunter-Lab	57.9983, 0.7099, 6.2539

Details

The XYZ color **33.2091, 33.6380, 33.5966** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9210, 35.8616, 42.2332**, and the grayscale version is **32.3915, 34.0784, 37.1114**.

A 20% lighter version of the original color is **63.8864, 65.1594, 66.3366**, and **14.3048, 14.3144, 13.8134** is the 20% darker color. If you saturate the color by 10%, you get **29.9122, 29.0560, 26.2950**, and if you desaturate by 10%, it is **36.9365, 38.7700, 41.9995**.

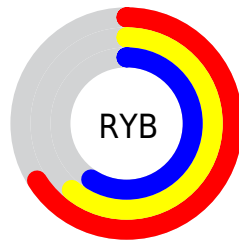
Distribution



Red (66%)

Green (60%)

Blue (59%)



Red (66%)

Yellow (61%)

Blue (59%)

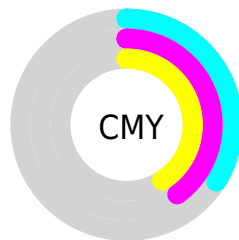


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (34%)



Cyan (34%)


Magenta (40%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2091, 33.6380, 33.5966 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 33.2091, 33.6380, 33.5966 by changing the saturation by 10% instead.


 33.2091, 33.6380,
33.5966


 33.2091, 33.6380,
33.5966

308.2392,
318.5149, 333.0436

 22.4467, 22.6156,
22.3090


 64.0543, 65.3703,
66.4326

 14.3039, 14.3100,
13.8837


 84.8679, 86.8491,
88.8180

 8.4155, 8.3366,
7.9020


109.7625,
112.5821, 115.7399

 4.4160, 4.3111,
3.9454

139.1035,
142.9538, 147.6166

 1.9400, 1.8490,
1.5954

173.2564,
178.3485, 184.8668

 0.5999, 0.5175,
0.2876

212.5864,

 0.0000, 0.0000,

219.1507, 227.9090

0.0000

257.4589,
265.7447, 277.1618

■ 33.2091, 33.6380,
33.5966

■ 33.2091, 33.6380,
33.5966

■ 29.9122, 29.0560,
26.2950

■ 36.9365, 38.7700,
41.9995

■ 27.0274, 25.0012,
20.0467

■ 41.1066, 44.4648,
51.5446

■ 24.5389, 21.4559,
14.8036

■ 45.7344, 50.7406,
62.2733

■ 22.4289, 18.3996,
10.5127

■ 50.8333, 57.6132,
74.2244

■ 20.6782, 15.8105,
7.1162

■ 56.4164, 65.0980,
87.4348

■ 19.2656, 13.6650,
4.5501

■ 62.4961, 73.2097,
101.9400

■ 18.1678, 11.9374,
2.7418

■ 66.9882, 81.1240,
106.7356

■ 17.3582, 10.5991,
1.6056

■ 69.9587, 87.0650,
107.7257

■ 16.8215, 9.6706,
0.9800

Harmonies

Analogous

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



33.6009, 33.6380, 35.6840



33.2091, 33.6380, 33.5966



32.4884, 33.6380, 32.3551

Triad

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



33.2091, 33.6380, 33.5966



30.4436, 33.6380, 35.1744



32.3048, 33.6380, 41.4086

Complementary

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



33.2091, 33.6380, 33.5966



32.9210, 35.8616, 42.2332

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.



31.4609, 33.6380, 41.2573



33.2091, 33.6380, 33.5966



30.3964, 33.6380, 37.5845

Square

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



33.2091, 33.6380, 33.5966



30.8958, 33.6380, 33.2378



30.7658, 33.6380, 39.8324



33.0727, 33.6380, 40.2371

Rectangle

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



33.2091, 33.6380, 33.5966



31.9234, 33.6380, 32.1393



30.7658, 33.6380, 39.8324



32.0205, 33.6380, 41.5121

Sweetspot

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



33.2100, 33.6395, 33.5973



65.3718, 68.0829, 72.4611



33.7652, 32.8220, 39.7255



14.1291, 14.6754, 15.5238



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.



33.2100, 33.6395, 33.5973



58.6807, 58.8510, 57.4363



34.7334, 36.6863, 34.1051



7.6614, 7.8029, 7.8916



12.7355, 7.3682, 0.7510



0.3459, 0.2514, 0.0303

Inverse Universe

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



32.9210, 35.8616, 42.2332



58.0433, 63.7480, 76.4705



31.3840, 32.7877, 41.7209



7.6039, 8.2448, 9.6090



11.4693, 14.3987, 30.1502



0.3131, 0.4185, 0.7449

Previews

White Background



This preview shows how the XYZ color 33.2091, 33.6380, 33.5966 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 33.2091, 33.6380, 33.5966 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

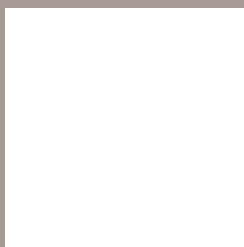
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2091, 33.6380, 33.5966

Background



This preview shows how black text looks on a background with the XYZ color 33.2091, 33.6380, 33.5966.



This preview shows how white text looks on a background with the XYZ color 33.2091, 33.6380,

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

33.2091, 33.6380, 33.5966

Protanopia

32.1723, 33.5884, 34.0657

Deuteranopia

34.1888, 33.6572, 33.5487



Tritanopia

34.5066, 33.6829, 39.8047

Trichromacy



Original Color

33.2091, 33.6380, 33.5966

Protanomaly

32.6171, 33.5696, 34.0386

Deuteranomaly

33.9095, 33.7551, 33.5823

Tritanomaly

34.0114, 33.7207, 37.5170

Monochromacy



Original Color

33.2091, 33.6380, 33.5966

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

32.8737, 34.1619, 35.8716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2091, 33.6380, 33.5966 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(168, 154, 150)` looks like.

```
.text, #text, p{  
    color:rgb(168, 154, 150)  
}
```

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(168, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 154, 150) }
```

Border

The CSS property to change the border of an element to XYZ 33.2091, 33.6380, 33.5966 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(168, 154, 150) }
```


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

```
.border{ border-color:rgb(168, 154, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(168, 154,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2091, 33.6380, 33.5966 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 154, 150) }
```

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

```
.background{ background-color: rgb(168,  
154, 150) }
```

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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