

Converting Colors

XYZ(33.4532, 33.2615, 32.2932)

Have a look what the booklet for
XYZ(33.4532, 33.2615, 32.2932)
contains.

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Color

**XYZ(33.5080, 33.3337,
32.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9893
RGB	172, 152, 147
RGB Percent	67%, 60%, 58%
CMY	0.3255, 0.4039, 0.4235
CMYK	0.00, 0.12, 0.15, 0.33
HSL	12°, 13%, 63%
HSV	12°, 15%, 67%
XYZ	33.5080, 33.3337, 32.2718
YIQ	157.4100, 13.5250, 2.6850

Conversions

Conversions Part 2

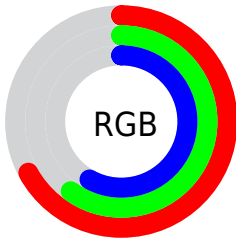
Format	Color
RYB	172, 153, 147
Decimal	11311251
CIELab	64.43, 6.53, 5.33
CIELCh	64, 8.429, 39.182
Yxy	33.3337, 0.3381, 0.3363
Android (android.graphics.Color)	4289501331 (0xFFAC9893)
YUV	157.4100, -5.1321, 12.7954
Hunter-Lab	57.7353, 2.5596, 7.2739

Details

The XYZ color **33.5080, 33.3337, 32.2718** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2977, 36.8185, 44.3819**, and the grayscale version is **32.2514, 33.9310, 36.9509**.

A 20% lighter version of the original color is **64.6088, 64.8536, 64.3711**, and **14.5107, 14.1450, 13.0318** is the 20% darker color. If you saturate the color by 10%, you get **30.1532, 28.6248, 24.9851**, and if you desaturate by 10%, it is **37.3255, 38.6444, 40.7092**.

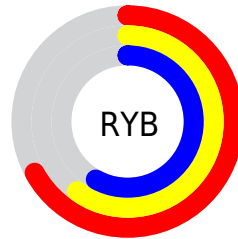
Distribution



Red (67%)

Green (60%)

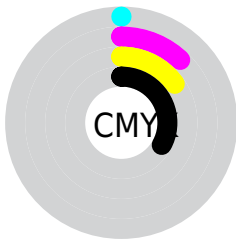
Blue (58%)



Red (67%)

Yellow (60%)

Blue (58%)

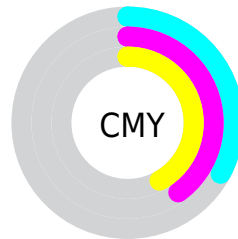


Cyan (0%)

Magenta (12%)

Yellow (15%)

Black (33%)



Cyan (33%)

Magenta (40%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5080, 33.3337, 32.2718 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 33.5080, 33.3337, 32.2718 by changing the saturation by 10% instead.

■ 33.5080, 33.3337,
32.2718

■ 33.5080, 33.3337,
32.2718

309.5573,
317.1507, 326.8863

■ 22.6770, 22.3822,
21.3027

■ 64.5172, 64.8962,
64.3398

■ 14.4746, 14.1380,
13.1520

■ 85.4261, 86.2759,
86.2757

■ 8.5354, 8.2167,
7.4014

110.4251,
111.9006, 112.7043

■ 4.4940, 4.2339,
3.6321

139.8794,
142.1545, 144.0441

■ 1.9853, 1.8053,
1.4258

174.1544,
177.4221, 180.7137

■ 0.6257, 0.4905,
0.1617

213.6155,

■ 0.0000, 0.0000,

218.0877, 223.1316

0.0000

258.6280,
264.5358, 271.7163

■ 33.5080, 33.3337,
32.2718

■ 33.5080, 33.3337,
32.2718

■ 30.1532, 28.6248,
24.9851

■ 37.3255, 38.6444,
40.7092

■ 27.2406, 24.4920,
18.7970

■ 41.6198, 44.5726,
50.3421

■ 24.7523, 20.9143,
13.6546

■ 46.4076, 51.1389,
61.2154

■ 22.6679, 17.8679,
9.4997

■ 51.7041, 58.3616,
73.3712

■ 20.9654, 15.3270,
6.2684

■ 57.5239, 66.2585,
86.8494

■ 19.6206, 13.2636,
3.8893

■ 63.8808, 74.8463,
101.6884

■ 18.6063, 11.6472,
2.2803

■ 68.7264, 83.3167,
107.0672

■ 17.8908, 10.4430,
1.3427

■ 70.8235, 87.5108,
107.7662

■ 17.5976, 9.9390,
0.9909

Harmonies

Analogous

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



34.0193, 33.3337, 35.2488



33.5080, 33.3337, 32.2718



32.5111, 33.3337, 30.4532

Triad

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



33.5080, 33.3337, 32.2718



29.5713, 33.3337, 33.9930



32.0529, 33.3337, 43.2283

Complementary

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



33.5080, 33.3337, 32.2718



33.2977, 36.8185, 44.3819

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.



30.8684, 33.3337, 42.8393



33.5080, 33.3337, 32.2718



29.4556, 33.3337, 37.3611

Square

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



33.5080, 33.3337, 32.2718



30.2450, 33.3337, 31.4024



29.9249, 33.3337, 40.6388



33.1653, 33.3337, 41.6705

Rectangle

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



33.5080, 33.3337, 32.2718



31.7157, 33.3337, 30.0710



29.9249, 33.3337, 40.6388



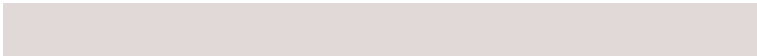
31.6497, 33.3337, 43.3229

Sweetspot

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



33.5089, 33.3352, 32.2725



68.0546, 70.5787, 74.6122



34.4225, 32.4286, 41.0048



14.6722, 15.1754, 15.9529



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5089, 33.3352, 32.2725



59.0208, 58.0000, 54.6794



35.6453, 37.6080, 32.9846



8.1302, 8.2653, 8.3802



13.1277, 7.4608, 0.7482



0.4021, 0.2813, 0.0331

Inverse Universe

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



33.2977, 36.8185, 44.3819



58.5724, 65.3794, 80.3382



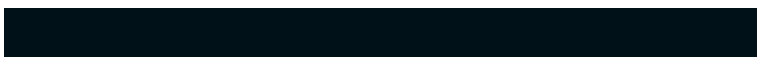
31.1178, 32.4587, 43.6553



8.0982, 8.7957, 10.2236



12.2991, 15.7320, 31.4329



0.3763, 0.5059, 0.8858

Previews

White Background



This preview shows how the XYZ color 33.5080, 33.3337, 32.2718 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 33.5080, 33.3337, 32.2718 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

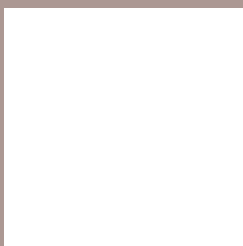
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5080, 33.3337, 32.2718

Background



This preview shows how black text looks on a background with the XYZ color 33.5080, 33.3337, 32.2718.



This preview shows how white text looks on a background with the XYZ color 33.5080, 33.3337,

32.2718.

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

33.5080, 33.3337, 32.2718

Protanopia

32.0112, 33.5239, 33.2174

Deuteranopia

34.0123, 33.3538, 32.2490



Tritanopia

34.8835, 33.4200, 38.7946

Trichromacy



Original Color

33.5080, 33.3337, 32.2718

Protanomaly

32.5837, 33.5801, 32.7812

Deuteranomaly

33.7886, 33.2385, 32.2386

Tritanomaly

34.3860, 33.4518, 36.5428

Monochromacy



Original Color

33.5080, 33.3337, 32.2718

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.3714, 33.4240, 34.8823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5080, 33.3337, 32.2718 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(172, 152, 147)` looks like.

```
.text, #text, p{  
    color:rgb(172, 152, 147)  
}
```

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(172, 152, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 152, 147) }
```

Border

The CSS property to change the border of an element to XYZ 33.5080, 33.3337, 32.2718 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(172, 152, 147) }
```


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

```
.border{ border-color:rgb(172, 152, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 152, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 152, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 152, 147);  
box-shadow:4px 4px 4px 4px rgb(172, 152,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5080, 33.3337, 32.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 152, 147) }
```

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

```
.background{ background-color: rgb(172,  
152, 147) }
```

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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