

Converting Colors

XYZ(33.9191, 37.7517, 32.8652)

Have a look what the booklet for
XYZ(33.9191, 37.7517, 32.8652)
contains.

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Color

**XYZ(33.8889, 37.6577,
32.6766)**

Conversions

Conversions Part 1

Format	Color
Hex	A1A892
RGB	161, 168, 146
RGB Percent	63%, 66%, 57%
CMY	0.3686, 0.3412, 0.4274
CMYK	0.04, 0.00, 0.13, 0.34
HSL	79°, 11%, 62%
HSV	79°, 13%, 66%
XYZ	33.8889, 37.6577, 32.6766
YIQ	163.3990, 2.8900, -8.3260

Conversions

Conversions Part 2

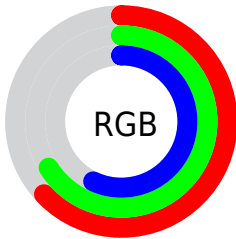
Format	Color
RYB	146, 168, 153
Decimal	10594450
CIELab	67.77, -6.52, 10.52
CIELCh	68, 12.379, 121.771
Yxy	37.6577, 0.3252, 0.3613
Android (android.graphics.Color)	4288784530 (0xFFA1A892)
YUV	163.3990, -8.5777, -2.1039
Hunter-Lab	61.3659, -8.8148, 11.3849

Details

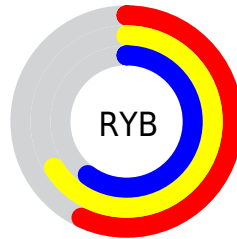
The XYZ color **33.8889, 37.6577, 32.6766** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.4851, 30.1582, 41.2622**, and the grayscale version is **35.0406, 36.8655, 40.1465**.

A 20% lighter version of the original color is **65.1319, 71.5444, 65.0202**, and **14.6176, 16.5682, 13.2540** is the 20% darker color. If you saturate the color by 10%, you get **31.6225, 36.6305, 26.2426**, and if you desaturate by 10%, it is **36.3955, 38.7888, 40.1259**.

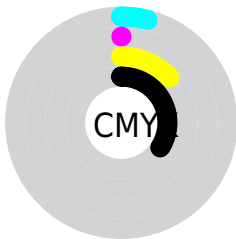
Distribution



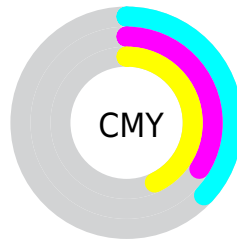
- Red (63%)
- Green (66%)
- Blue (57%)



- Red (57%)
- Yellow (66%)
- Blue (60%)



- Cyan (4%)
- Magenta (0%)
- Yellow (13%)
- Black (34%)



- Cyan (37%)
- Magenta (34%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8889, 37.6577, 32.6766 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 33.8889, 37.6577, 32.6766 by changing the saturation by 10% instead.

■ 33.8889, 37.6577,
32.6766

■ 33.8889, 37.6577,
32.6766

311.2310,
336.1493, 328.7772

■ 22.9707, 25.7171,
21.6097

■ 65.1063, 71.5832,
64.9805

■ 14.6925, 16.6121,
13.3749

■ 86.1363, 94.3369,
87.0546

■ 8.6888, 9.9583,
7.5534

111.2675,
121.4637, 113.6348

■ 4.5942, 5.3713,
3.7269

140.8655,
153.3482, 145.1397

■ 2.0435, 2.4668,
1.4768

175.2954,
190.3745, 181.9879

■ 0.6582, 0.8599,
0.2005

214.9228,

■ 0.0000, 0.0000,

232.9272, 224.5978

0.0000

260.1129,
281.3907, 273.3881

■ 33.8889, 37.6577,
32.6766

■ 33.8889, 37.6577,
32.6766

■ 31.6225, 36.6305,
26.2426

■ 36.3955, 38.7888,
40.1259

■ 29.5844, 35.6987,
20.7776

■ 39.1477, 40.0222,
48.6295

■ 27.7661, 34.8600,
16.2352

■ 42.1544, 41.3629,
58.2271

■ 26.1572, 34.1101,
12.5642

■ 45.4233, 42.8140,
68.9558

■ 24.7464, 33.4446,
9.7085

■ 48.9614, 44.3783,
80.8507

■ 23.5214, 32.8584,
7.6053

■ 52.7758, 46.0588,
93.9457

■ 22.4677, 32.3456,
6.1829

■ 55.4565, 47.2916,
100.8131

■ 21.5686, 31.8994,
5.3555

■ 56.8952, 48.0332,
100.8804

■ 21.0119, 31.6198,
4.9958

■ 58.3842, 48.8008,
100.9501

Harmonies

Analogous

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



35.6788, 37.6577, 31.3415



33.8889, 37.6577, 32.6766



32.6459, 37.6577, 36.2153

Triad

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



33.8889, 37.6577, 32.6766



34.0793, 37.6577, 51.0115



39.5997, 37.6577, 40.6778

Complementary

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



33.8889, 37.6577, 32.6766



30.4851, 30.1582, 41.2622

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.



39.1351, 37.6577, 46.1947



33.8889, 37.6577, 32.6766



35.9064, 37.6577, 52.4698

Square

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



33.8889, 37.6577, 32.6766



32.7530, 37.6577, 46.8086



37.7661, 37.6577, 50.6354



39.0144, 37.6577, 35.6982

Rectangle

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



33.8889, 37.6577, 32.6766



32.2712, 37.6577, 39.5123



37.7661, 37.6577, 50.6354



39.5611, 37.6577, 42.5304

Sweetspot

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



33.8899, 37.6593, 32.6774



65.5778, 70.1756, 71.4072



32.7239, 33.1729, 31.8729



14.2182, 15.2616, 15.3377



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.



33.8899, 37.6593, 32.6774



60.1333, 67.7183, 55.3656



31.7760, 36.5696, 32.5785



7.9112, 8.6523, 8.0424



15.9214, 23.9050, 3.7750



0.4369, 0.6072, 0.0942

Inverse Universe

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



30.4851, 30.1582, 41.2622



52.6144, 51.1522, 74.3254



32.6511, 31.2748, 41.3636



7.3482, 7.4121, 9.4617



6.5132, 2.7411, 28.1613



0.2111, 0.0938, 0.6876

Previews

White Background



This preview shows how the XYZ color 33.8889, 37.6577, 32.6766 looks on a white background.

Color Contrast Check

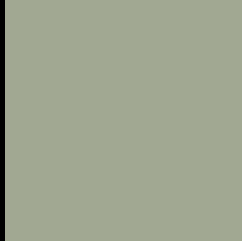
Large Text (above 18pt) WCAG AA × Fail

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 33.8889, 37.6577, 32.6766 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

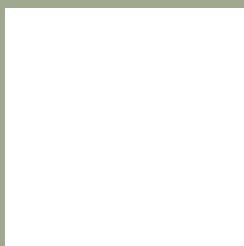
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8889, 37.6577, 32.6766

Background



This preview shows how black text looks on a background with the XYZ color 33.8889, 37.6577, 32.6766.



This preview shows how white text looks on a background with the XYZ color 33.8889, 37.6577,

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

33.8889, 37.6577, 32.6766

Protanopia

35.5431, 37.4488, 31.7406

Deuteranopia

38.2369, 37.4992, 33.2397



Tritanopia

36.7283, 37.7246, 46.9408

Trichromacy



Original Color

33.8889, 37.6577, 32.6766

Protanomaly

34.9282, 37.3896, 32.1641

Deuteranomaly

36.5469, 37.4122, 32.8988

Tritanomaly

35.6479, 37.5560, 41.4466

Monochromacy



Original Color

33.8889, 37.6577, 32.6766

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

34.4412, 37.0260, 37.2298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8889, 37.6577, 32.6766 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(161, 168, 146)` looks like.

```
.text, #text, p{  
    color:rgb(161, 168, 146)  
}
```

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(161, 168, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 168, 146) }
```

Border

The CSS property to change the border of an element to XYZ 33.8889, 37.6577, 32.6766 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(161, 168, 146) }
```


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

```
.border{ border-color:rgb(161, 168, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 168, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 168, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 168, 146);  
box-shadow:4px 4px 4px 4px rgb(161, 168,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8889, 37.6577, 32.6766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 168, 146) }
```

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

```
.background{ background-color: rgb(161,  
168, 146) }
```

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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