

Converting Colors

XYZ(33.5009, 33.7077, 33.5541)

Have a look what the booklet for
XYZ(33.5009, 33.7077, 33.5541)
contains.

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Color

**XYZ(33.6382, 33.8593,
33.6167)**

Conversions

Conversions Part 1

Format	Color
Hex	AA9A96
RGB	170, 154, 150
RGB Percent	67%, 60%, 59%
CMY	0.3333, 0.3961, 0.4118
CMYK	0.00, 0.09, 0.12, 0.33
HSL	12°, 11%, 63%
HSV	12°, 12%, 67%
XYZ	33.6382, 33.8593, 33.6167
YIQ	158.3280, 10.8200, 2.1480

Conversions

Conversions Part 2

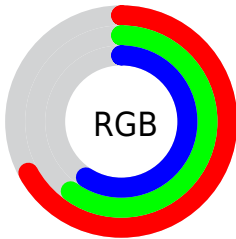
Format	Color
RYB	170, 155, 150
Decimal	11180694
CIELab	64.85, 5.18, 4.22
CIElCh	65, 6.682, 39.201
Yxy	33.8593, 0.3327, 0.3349
Android (android.graphics.Color)	4289370774 (0xFFAA9A96)
YUV	158.3280, -4.1057, 10.2363
Hunter-Lab	58.1887, 1.3584, 6.4792

Details

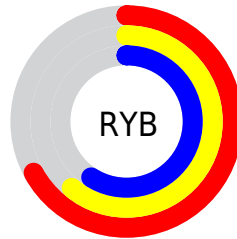
The XYZ color **33.6382, 33.8593, 33.6167** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4694, 36.6579, 43.3422**, and the grayscale version is **32.6637, 34.3648, 37.4233**.

A 20% lighter version of the original color is **64.5063, 65.4789, 66.3656**, and **14.5736, 14.4529, 13.8260** is the 20% darker color. If you saturate the color by 10%, you get **30.2491, 29.1150, 26.2161**, and if you desaturate by 10%, it is **37.4821, 39.1945, 42.1496**.

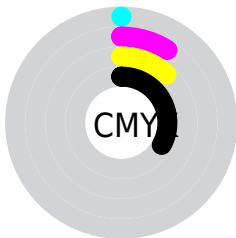
Distribution



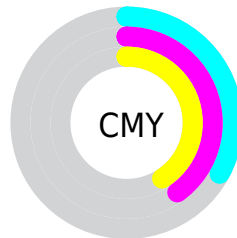
- Red (67%)
- Green (60%)
- Blue (59%)



- Red (67%)
- Yellow (61%)
- Blue (59%)



- Cyan (0%)
- Magenta (9%)
- Yellow (12%)
- Black (33%)





- Cyan (33%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6382, 33.8593, 33.6167 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 33.6382, 33.8593, 33.6167 by changing the saturation by 10% instead.


 33.6382, 33.8593,
33.6167


 33.6382, 33.8593,
33.6167


310.1302,
319.5042, 333.1364

 22.7774, 22.7855,
22.3243


 64.7187, 65.7148,
66.4642

 14.5490, 14.4352,
13.8948


 85.6690, 87.2653,
88.8565

 8.5877, 8.4240,
7.9096


110.7133,
113.0769, 115.7857

 4.5282, 4.3674,
3.9502

140.2167,
143.5339, 147.6705

 2.0051, 1.8811,
1.5981

174.5448,
179.0208, 184.9295

 0.6368, 0.5370,
0.2894

214.0628,

 0.0000, 0.0000,

219.9218, 227.9811

0.0000

259.1362,
266.6215, 277.2439

■ 33.6382, 33.8593,
33.6167

■ 33.6382, 33.8593,
33.6167

■ 30.2491, 29.1150,
26.2161

■ 37.4821, 39.1945,
42.1496

■ 27.2950, 24.9368,
19.8980

■ 41.7939, 45.1355,
51.8573

■ 24.7588, 21.3048,
14.6119

■ 46.5899, 51.7021,
62.7831

■ 22.6211, 18.1961,
10.3027

■ 51.8846, 58.9119,
74.9671

■ 20.8611, 15.5863,
6.9101

■ 57.6920, 66.7818,
88.4478

■ 19.4559, 13.4489,
4.3668

■ 64.0255, 75.3282,
103.2620

■ 18.3800, 11.7549,
2.5966

■ 68.5606, 83.6318,
107.1368

■ 17.6040, 10.4719,
1.5089

■ 70.3877, 87.2861,
107.7458

■ 17.1506, 9.6918,
0.9668

Harmonies

Analogous

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



34.0444, 33.8593, 36.0258



33.6382, 33.8593, 33.6167



32.8441, 33.8593, 32.1297

Triad

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



33.6382, 33.8593, 33.6167



30.4826, 33.8593, 35.0163



32.4791, 33.8593, 42.3519

Complementary

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



33.6382, 33.8593, 33.6167



33.4694, 36.6579, 43.3422

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.



31.5294, 33.8593, 42.0485



33.6382, 33.8593, 33.6167



30.3893, 33.8593, 37.7212

Square

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



33.6382, 33.8593, 33.6167



31.0264, 33.8593, 32.9094



30.7689, 33.8593, 40.3204



33.3665, 33.8593, 41.1299

Rectangle

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



33.6382, 33.8593, 33.6167



32.2081, 33.8593, 31.8160



30.7689, 33.8593, 40.3204



32.1564, 33.8593, 42.4262

Sweetspot

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



33.6391, 33.8608, 33.6174



66.3229, 68.7836, 72.7158



34.3672, 33.1124, 40.6567



14.6722, 15.1755, 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.



33.6391, 33.8608, 33.6174



59.4273, 59.1944, 57.4632



35.3584, 37.2994, 34.1905



7.6482, 7.7765, 7.8872



12.6490, 7.1952, 0.7221



0.3410, 0.2416, 0.0287

Inverse Universe

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



33.4694, 36.6579, 43.3422



59.0600, 65.2391, 78.4815



31.7223, 33.1637, 42.7599



7.6181, 8.2732, 9.6137



11.8506, 15.1615, 30.2774



0.3199, 0.4320, 0.7472

Previews

White Background



This preview shows how the XYZ color 33.6382, 33.8593, 33.6167 looks on a white background.

Color Contrast Check

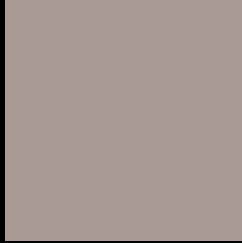
Large Text (above 18pt) WCAG AA × Fail

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 33.6382, 33.8593, 33.6167 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

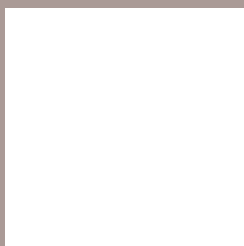
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6382, 33.8593, 33.6167

Background



This preview shows how black text looks on a background with the XYZ color 33.6382, 33.8593, 33.6167.



This preview shows how white text looks on a background with the XYZ color 33.6382, 33.8593,

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

33.6382, 33.8593, 33.6167

Protanopia

32.6248, 34.0623, 34.5609

Deuteranopia

34.4125, 33.7724, 33.5592



Tritanopia

34.9423, 33.9075, 39.8251

Trichromacy



Original Color

33.6382, 33.8593, 33.6167

Protanomaly

32.9914, 34.0106, 34.1040

Deuteranomaly

34.1298, 33.8687, 33.5926

Tritanomaly

34.4438, 33.9436, 37.5373

Monochromacy



Original Color

33.6382, 33.8593, 33.6167

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 33.6382, 33.8593, 33.6167 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(170, 154, 150)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 154, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 154, 150) }
```

Border

The CSS property to change the border of an element to XYZ 33.6382, 33.8593, 33.6167 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(170, 154, 150) }
```


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

```
.border{ border-color:rgb(170, 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(170, 154, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 154, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 154, 150);  
box-shadow:4px 4px 4px 4px rgb(170, 154,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6382, 33.8593, 33.6167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 154, 150) }
```

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

```
.background{ background-color: rgb(170,  
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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