

Converting Colors

XYZ(33.8120, 37.1646, 44.4512)

Have a look what the booklet for
XYZ(33.8120, 37.1646, 44.4512)
contains.

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Color

**XYZ(33.8428, 37.1000,
44.4070)**

Conversions

Conversions Part 1

Format	Color
Hex	96A7AC
RGB	150, 167, 172
RGB Percent	59%, 65%, 67%
CMY	0.4118, 0.3451, 0.3255
CMYK	0.13, 0.03, 0.00, 0.33
HSL	194°, 12%, 63%
HSV	194°, 13%, 67%
XYZ	33.8428, 37.1000, 44.4070
YIQ	162.4870, -11.7370, -2.0490

Conversions

Conversions Part 2

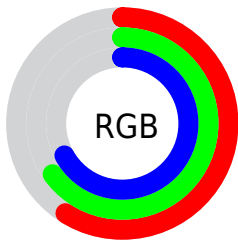
Format	Color
RYB	150, 160, 172
Decimal	9873324
CIELab	67.35, -4.89, -4.61
CIElCh	67, 6.717, 223.311
Yxy	37.1000, 0.2934, 0.3216
Android (android.graphics.Color)	4288063404 (0xFF96A7AC)
YUV	162.4870, 4.6899, -10.9511
Hunter-Lab	60.9098, -7.4136, -0.5892

Details

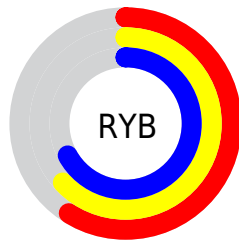
The XYZ color **33.8428, 37.1000, 44.4070** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2399, 34.4153, 33.6931**, and the grayscale version is **34.5546, 36.3541, 39.5896**.

A 20% lighter version of the original color is **64.8882, 70.6260, 82.8852**, and **14.6665, 16.2702, 20.1368** is the 20% darker color. If you saturate the color by 10%, you get **30.2024, 34.1776, 44.0354**, and if you desaturate by 10%, it is **37.9716, 40.3083, 44.8092**.

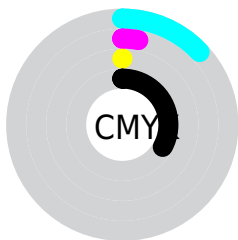
Distribution



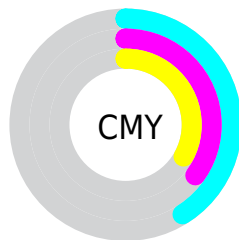
- Red (59%)
- Green (65%)
- Blue (67%)



- Red (59%)
- Yellow (63%)
- Blue (67%)



- Cyan (13%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)



- Cyan (41%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8428, 37.1000, 44.4070 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 33.8428, 37.1000, 44.4070 by changing the saturation by 10% instead.

■ 33.8428, 37.1000,
44.4070

■ 33.8428, 37.1000,
44.4070

311.0288,
333.7433, 380.4564

■ 22.9352, 25.2849,
30.6511

■ 65.0351, 70.7266,
83.1388

■ 14.6661, 16.2895,
20.0771

■ 86.0504, 93.3068,
108.9518

■ 8.6702, 9.7292,
12.2664

111.1657,
120.2443, 139.6208

■ 4.5820, 5.2198,
6.8007

140.7463,
151.9233, 175.5645

■ 2.0364, 2.3768,
3.2612

175.1575,
188.7284, 217.2014

■ 0.6543, 0.8139,
1.2295

214.7648,

■ 0.0000, 0.0000,

231.0438, 264.9500

0.0029

259.9334,
279.2539, 319.2288

■ 0.0000, 0.0000,
0.0000

■ 33.8428, 37.1000,
44.4070

■ 33.8428, 37.1000,
44.4070

■ 30.2024, 34.1776,
44.0354

■ 37.9716, 40.3083,
44.8092

■ 27.0268, 31.5257,
43.6909

■ 42.6047, 43.8079,
45.2405

■ 24.2952, 29.1342,
43.3733

■ 47.7612, 47.6100,
45.7026

■ 21.9841, 26.9908,
43.0813

■ 53.4583, 51.7237,
46.1964

■ 20.0674, 25.0817,
42.8139

■ 59.7122, 56.1577,
46.7226

■ 18.5164, 23.3917,
42.5694

■ 66.5387, 60.9203,
47.2821

■ 17.2977, 21.9034,
42.3464

■ 68.0573, 62.9802,
47.5997

■ 16.3721, 20.5963,
42.1429

■ 68.9405, 64.7466,
47.8941

■ 15.8242, 19.7340,
42.0053

■ 69.8467, 66.5591,
48.1961

Harmonies

Analogous

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



33.3726, 37.1000, 41.7138



33.8428, 37.1000, 44.4070



34.6975, 37.1000, 46.0679

Triad

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



33.8428, 37.1000, 44.4070



37.1911, 37.1000, 42.0441



34.8090, 37.1000, 35.1304

Complementary

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



33.8428, 37.1000, 44.4070



34.2399, 34.4153, 33.6931

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.



35.8335, 37.1000, 35.2092



33.8428, 37.1000, 44.4070



37.2223, 37.1000, 39.1054

Square

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



33.8428, 37.1000, 44.4070



36.6366, 37.1000, 44.6589



36.7212, 37.1000, 36.6333



33.9231, 37.1000, 36.4126

Rectangle

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



33.8428, 37.1000, 44.4070



35.3768, 37.1000, 46.3184



36.7212, 37.1000, 36.6333



35.1483, 37.1000, 35.0005

Sweetspot

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



33.8439, 37.1015, 44.4078



67.8751, 72.3494, 81.1932



33.2277, 38.3484, 36.5591



14.6263, 15.6274, 17.6332



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.



33.8439, 37.1015, 44.4078



59.6788, 65.9450, 80.3890



31.9524, 33.3187, 43.7773



8.0797, 8.7588, 10.2175



11.8182, 14.7703, 31.2726



0.3662, 0.4858, 0.8824

Inverse Universe

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



34.8955, 33.3742, 41.1636



61.9311, 58.0565, 73.4196



36.1127, 38.1610, 34.3174



8.2580, 8.1165, 9.6697



15.8289, 7.7941, 17.2765



0.4592, 0.2244, 0.5801

Previews

White Background



This preview shows how the XYZ color 33.8428, 37.1000, 44.4070 looks on a white background.

Color Contrast Check

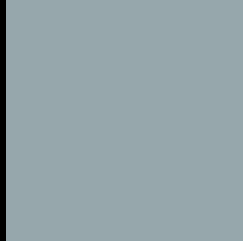
Large Text (above 18pt) WCAG AA × Fail

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 33.8428, 37.1000, 44.4070 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

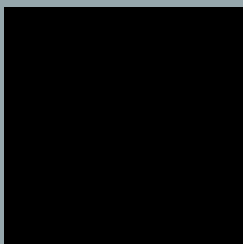
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

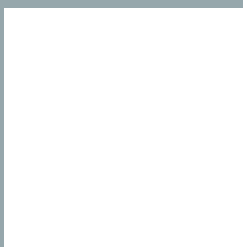
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8428, 37.1000, 44.4070

Background



This preview shows how black text looks on a background with the XYZ color 33.8428, 37.1000, 44.4070.



This preview shows how white text looks on a background with the XYZ color 33.8428, 37.1000,

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

33.8428, 37.1000, 44.4070

Protanopia

35.8699, 37.0960, 43.2999

Deuteranopia

37.7173, 36.9662, 45.1917



Tritanopia

34.5354, 37.1064, 47.9899

Trichromacy



Original Color

33.8428, 37.1000, 44.4070

Protanomaly

35.1233, 36.9648, 43.8118

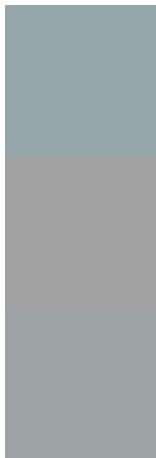
Deuteranomaly

36.1890, 36.9648, 44.7627

Tritanomaly

34.2352, 36.9863, 46.4090

Monochromacy



Original Color

33.8428, 37.1000, 44.4070

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.2589, 36.5732, 41.3301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8428, 37.1000, 44.4070 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(150, 167, 172)` looks like.

```
.text, #text, p{  
    color:rgb(150, 167, 172)  
}
```

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(150, 167, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 167, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.8428, 37.1000, 44.4070 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(150, 167, 172) }
```


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

```
.border{ border-color:rgb(150, 167, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 167, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 167, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 167, 172);  
box-shadow:4px 4px 4px 4px rgb(150, 167,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8428, 37.1000, 44.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 167, 172) }
```

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

```
.background{ background-color: rgb(150,  
167, 172) }
```

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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