

Converting Colors

XYZ(33.7738, 35.8409, 41.4823)

Have a look what the booklet for
XYZ(33.7738, 35.8409, 41.4823)
contains.

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Color

**XYZ(33.8000, 35.7988,
41.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA2A7
RGB	157, 162, 167
RGB Percent	62%, 64%, 65%
CMY	0.3843, 0.3647, 0.3451
CMYK	0.06, 0.03, 0.00, 0.35
HSL	210°, 5%, 64%
HSV	210°, 6%, 65%
XYZ	33.8000, 35.7988, 41.6876
YIQ	161.0750, -4.5850, 0.4950

Conversions

Conversions Part 2

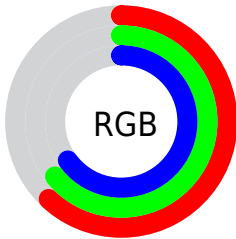
Format	Color
R _Y B	157, 160, 167
Decimal	10330791
CIE Lab	66.37, -0.79, -3.22
CIE LCh	66, 3.311, 256.255
Yxy	35.7988, 0.3037, 0.3217
Android (android.graphics.Color)	4288520871 (0xFF9DA2A7)
YUV	161.0750, 2.9210, -3.5738
Hunter-Lab	59.8321, -3.8690, 0.5726

Details

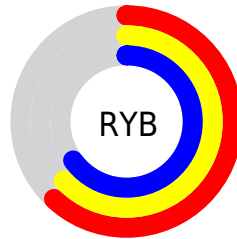
The XYZ color **33.8000, 35.7988, 41.6876** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9425, 36.4901, 37.1004**, and the grayscale version is **33.9004, 35.6658, 38.8401**.

A 20% lighter version of the original color is **65.1490, 68.8967, 78.9719**, and **14.6143, 15.4538, 18.4323** is the 20% darker color. If you saturate the color by 10%, you get **29.3405, 31.3903, 41.0723**, and if you desaturate by 10%, it is **38.8045, 40.6351, 42.3579**.

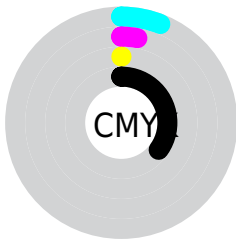
Distribution



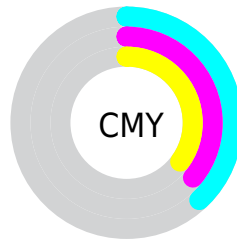
- Red (62%)
- Green (64%)
- Blue (65%)



- Red (62%)
- Yellow (63%)
- Blue (65%)



- Cyan (6%)
- Magenta (3%)
- Yellow (0%)
- Black (35%)



- Cyan (38%)
- Magenta (36%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8000, 35.7988, 41.6876 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 33.8000, 35.7988, 41.6876 by changing the saturation by 10% instead.

■ 33.8000, 35.7988,
41.6876

■ 33.8000, 35.7988,
41.6876

310.8410,
328.0803, 368.9477

■ 22.9022, 24.2788,
28.5330

■ 64.9689, 68.7214,
78.9916

■ 14.6416, 15.5406,
18.4853

■ 85.9706, 90.8928,
103.9781

■ 8.6529, 9.1997,
11.1259

111.0711,
117.3836, 133.7456

■ 4.5708, 4.8716,
6.0364

140.6356,
148.5780, 168.7127

■ 2.0298, 2.1721,
2.7981

175.0294,
184.8605, 209.2979

■ 0.6506, 0.7047,
0.9925

214.6181,

■ 0.0000, 0.0000,

226.6154, 255.9198

0.0000

259.7668,
274.2272, 308.9968

■ 33.8000, 35.7988,
41.6876

■ 33.8000, 35.7988,
41.6876

■ 29.3405, 31.3903,
41.0723

■ 38.8045, 40.6351,
42.3579

■ 25.4031, 27.3921,
40.5081

■ 44.3698, 45.9069,
43.0821

■ 21.9677, 23.7918,
39.9942

■ 50.5145, 51.6278,
43.8625

■ 19.0117, 20.5750,
39.5291

■ 57.2558, 57.8089,
44.7003

■ 16.5107, 17.7258,
39.1110

■ 64.6099, 64.4612,
45.5967

■ 14.4377, 15.2273,
38.7379

■ 71.7778, 71.1753,
46.5148

■ 12.7629, 13.0607,
38.4080

■ 73.9192, 75.4582,
47.2287

■ 11.4516, 11.2048,
38.1189

■ 76.1701, 79.9600,
47.9790

■ 10.4587, 9.6327,
37.8678

■ 78.5320, 84.6837,
48.7663

Harmonies

Analogous

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



33.3717, 35.7988, 40.9818



33.8000, 35.7988, 41.6876



34.2929, 35.7988, 41.6553

Triad

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



33.8000, 35.7988, 41.6876



34.9478, 35.7988, 38.2206



33.3426, 35.7988, 37.1239

Complementary

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



33.8000, 35.7988, 41.6876



34.9425, 36.4901, 37.1004

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.



33.7599, 35.7988, 36.4195



33.8000, 35.7988, 41.6876



34.6882, 35.7988, 37.0421

Square

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



33.8000, 35.7988, 41.6876



34.9588, 35.7988, 39.6302



34.2524, 35.7988, 36.3900



33.1093, 35.7988, 38.3346

Rectangle

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



33.8000, 35.7988, 41.6876



34.5918, 35.7988, 41.2190



34.2524, 35.7988, 36.3900



33.4658, 35.7988, 36.8213

Sweetspot

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



33.8010, 35.8003, 41.6884



63.9576, 67.4447, 75.1225



34.2307, 37.4088, 39.5218



14.3351, 15.1148, 16.8140



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.



33.8010, 35.8003, 41.6884



59.5765, 63.1778, 74.5298



32.9654, 34.1291, 41.4098



7.6271, 8.0908, 9.5780



7.7856, 7.0313, 28.9223



0.2406, 0.2735, 0.7208

Inverse Universe

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



34.5157, 34.9387, 39.1089



61.0920, 61.3683, 69.0560



35.8109, 38.2268, 37.3899



7.8300, 7.8491, 8.8449



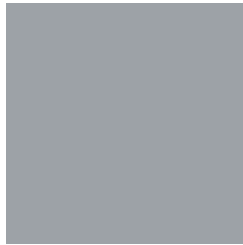
13.4304, 6.7809, 7.0780



0.3526, 0.1753, 0.3083

Previews

White Background



This preview shows how the XYZ color 33.8000, 35.7988, 41.6876 looks on a white background.

Color Contrast Check

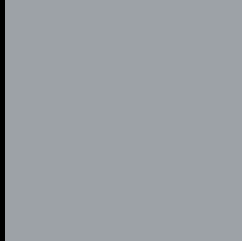
Large Text (above 18pt) WCAG AA × Fail

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 33.8000, 35.7988, 41.6876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

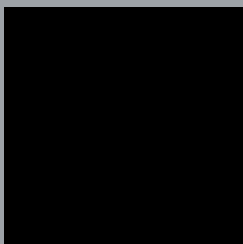
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

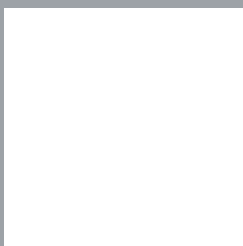
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.8000, 35.7988, 41.6876

Background



This preview shows how black text looks on a background with the XYZ color 33.8000, 35.7988, 41.6876.



This preview shows how white text looks on a background with the XYZ color 33.8000, 35.7988,

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

33.8000, 35.7988, 41.6876

Protanopia

34.5580, 35.6813, 41.1422

Deuteranopia

36.4119, 35.6028, 41.9987



Tritanopia

34.4854, 35.8148, 45.1398

Trichromacy



Original Color

33.8000, 35.7988, 41.6876

Protanomaly

34.3257, 35.8200, 41.1812

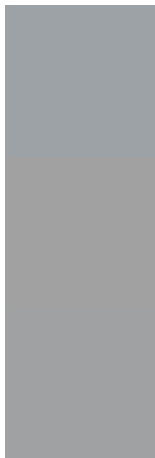
Deuteranomaly

35.4432, 35.6057, 42.0503

Tritanomaly

34.1961, 35.6991, 43.6164

Monochromacy



Original Color

33.8000, 35.7988, 41.6876

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.8529, 35.6077, 39.7391

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8000, 35.7988, 41.6876 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(157, 162, 167)` looks like.

```
.text, #text, p{  
    color:rgb(157, 162, 167)  
}
```

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(157, 162, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 162, 167) }
```

Border

The CSS property to change the border of an element to XYZ 33.8000, 35.7988, 41.6876 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(157, 162, 167) }
```


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

```
.border{ border-color:rgb(157, 162, 167) }
```

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

Here you see how a box with a 4 pixel rgb(157, 162, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 162, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 162, 167);  
box-shadow:4px 4px 4px 4px rgb(157, 162,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8000, 35.7988, 41.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 162, 167) }
```

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

```
.background{ background-color: rgb(157,  
162, 167) }
```

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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