

Converting Colors

XYZ(33.1204, 35.6252, 42.5529)

Have a look what the booklet for
XYZ(33.1204, 35.6252, 42.5529)
contains.

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Color

**XYZ(33.2075, 35.7344,
42.6833)**

Conversions

Conversions Part 1

Format	Color
Hex	98A3A9
RGB	152, 163, 169
RGB Percent	60%, 64%, 66%
CMY	0.4039, 0.3608, 0.3373
CMYK	0.10, 0.04, 0.00, 0.34
HSL	201°, 9%, 63%
HSV	201°, 10%, 66%
XYZ	33.2075, 35.7344, 42.6833
YIQ	160.3950, -8.4820, -0.4660

Conversions

Conversions Part 2

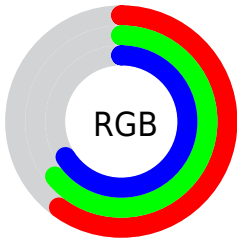
Format	Color
RYB	152, 159, 169
Decimal	10003369
CIELab	66.32, -2.66, -4.45
CIElCh	66, 5.181, 239.163
Yxy	35.7344, 0.2975, 0.3201
Android (android.graphics.Color)	4288193449 (0xFF98A3A9)
YUV	160.3950, 4.2423, -7.3624
Hunter-Lab	59.7783, -5.4532, -0.4899

Details

The XYZ color **33.2075, 35.7344, 42.6833** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.2566, 35.1553, 34.6864**, and the grayscale version is **33.5806, 35.3294, 38.4737**.

A 20% lighter version of the original color is **63.9795, 68.6464, 80.3990**, and **14.2622, 15.4199, 19.0543** is the 20% darker color. If you saturate the color by 10%, you get **29.2335, 32.1520, 42.2018**, and if you desaturate by 10%, it is **37.6842, 39.6520, 43.2041**.

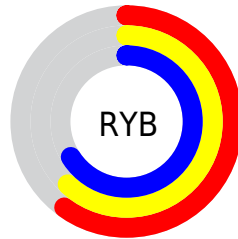
Distribution



Red (60%)

Green (64%)

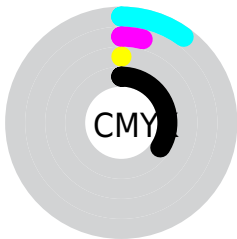
Blue (66%)



Red (60%)

Yellow (62%)

Blue (66%)

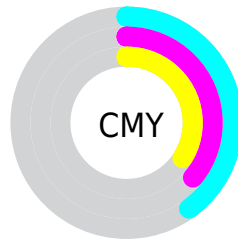


Cyan (10%)

Magenta (4%)

Yellow (0%)

Black (34%)



Cyan (40%)

Magenta (36%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2075, 35.7344, 42.6833 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 33.2075, 35.7344, 42.6833 by changing the saturation by 10% instead.

■ 33.2075, 35.7344,
42.6833

■ 33.2075, 35.7344,
42.6833

308.2322,
327.7982, 373.1906

■ 22.4454, 24.2291,
29.3071

■ 64.0519, 68.6219,
80.5140

■ 14.3030, 15.5037,
19.0657

■ 84.8649, 90.7730,
105.8055

■ 8.4148, 9.1736,
11.5405

109.7589,
117.2414, 135.9060

■ 4.4155, 4.8546,
6.3129

139.0994,
148.4116, 171.2339

■ 1.9398, 2.1622,
2.9644

173.2516,
184.6680, 212.2078

■ 0.5998, 0.6993,
1.0765

212.5809,

■ 0.0000, 0.0000,

226.3950, 259.2461

0.0000

257.4526,
273.9769, 312.7676

■ 33.2075, 35.7344,
42.6833

■ 33.2075, 35.7344,
42.6833

■ 29.2335, 32.1520,
42.2018

■ 37.6842, 39.6520,
43.2041

■ 25.7396, 28.8892,
41.7562

■ 42.6790, 43.9107,
43.7628

■ 22.7055, 25.9356,
41.3460

■ 48.2104, 48.5222,
44.3614

■ 20.1089, 23.2784,
40.9700

■ 54.2952, 53.4960,
45.0007

■ 17.9249, 20.9039,
40.6268

■ 60.9493, 58.8411,
45.6818

■ 16.1261, 18.7968,
40.3149

■ 68.1879, 64.5665,
46.4053

■ 14.6816, 16.9401,
40.0326

■ 70.1702, 67.6619,
46.8983

■ 13.5551, 15.3138,
39.7781

■ 71.6213, 70.5641,
47.3820

■ 12.6709, 13.8834,
39.5486

■ 73.1273, 73.5761,
47.8840

Harmonies

Analogous

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



32.6817, 35.7344, 41.0223



33.2075, 35.7344, 42.6833



33.9428, 35.7344, 43.3268

Triad

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



33.2075, 35.7344, 42.6833



35.4740, 35.7344, 38.9710



33.2446, 35.7344, 35.3051

Complementary

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



33.2075, 35.7344, 42.6833



34.2566, 35.1553, 34.6864

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.



33.9862, 35.7344, 34.8016



33.2075, 35.7344, 42.6833



35.2804, 35.7344, 36.8690

Square

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



33.2075, 35.7344, 42.6833



35.2581, 35.7344, 41.1340



34.7329, 35.7344, 35.3634



32.7029, 35.7344, 36.7651

Rectangle

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



33.2075, 35.7344, 42.6833



34.4552, 35.7344, 43.0741



34.7329, 35.7344, 35.3634



33.4784, 35.7344, 35.0209

Sweetspot

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



33.2085, 35.7359, 42.6841



64.9929, 68.8497, 77.0889



33.3046, 37.5188, 37.8122



14.0256, 14.8843, 16.7859



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.



33.2085, 35.7359, 42.6841



57.8646, 62.5669, 76.2519



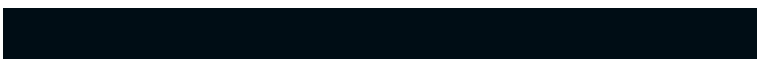
31.7574, 32.8337, 42.2004



7.5215, 8.0800, 9.5815



9.4951, 10.4505, 29.4922



0.2764, 0.3450, 0.7327

Inverse Universe

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



34.2021, 33.5365, 39.3227



60.0051, 57.8935, 68.9954



35.7484, 38.1389, 35.1837



7.7278, 7.6210, 8.8840



14.2933, 7.1260, 11.6220



0.3707, 0.1825, 0.4034

Previews

White Background



This preview shows how the XYZ color 33.2075, 35.7344, 42.6833 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 33.2075, 35.7344, 42.6833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

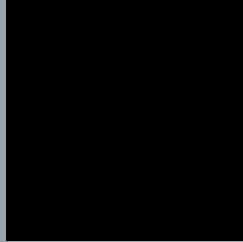
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

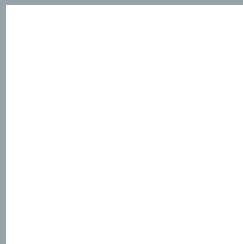
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2075, 35.7344, 42.6833

Background



This preview shows how black text looks on a background with the XYZ color 33.2075, 35.7344, 42.6833.



This preview shows how white text looks on a background with the XYZ color 33.2075, 35.7344,

42.6833.

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

33.2075, 35.7344, 42.6833

Protanopia

34.4461, 35.6130, 41.6177

Deuteranopia

36.1574, 35.4499, 42.9670



Tritanopia

33.7951, 35.7081, 45.6686

Trichromacy



Original Color

33.2075, 35.7344, 42.6833

Protanomaly

33.9133, 35.5860, 42.1271

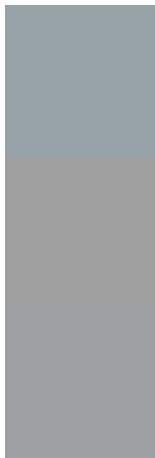
Deuteranomaly

35.1709, 35.6979, 43.0669

Tritanomaly

33.6000, 35.6301, 44.6415

Monochromacy



Original Color

33.2075, 35.7344, 42.6833

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.2604, 35.3022, 39.7113

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2075, 35.7344, 42.6833 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(152, 163, 169)` looks like.

```
.text, #text, p{  
    color:rgb(152, 163, 169)  
}
```

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(152, 163, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 163, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.2075, 35.7344, 42.6833 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(152, 163, 169) }
```


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

```
.border{ border-color:rgb(152, 163, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 163, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 163, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 163, 169);  
box-shadow:4px 4px 4px 4px rgb(152, 163,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2075, 35.7344, 42.6833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 163, 169) }
```

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

```
.background{ background-color: rgb(152,  
163, 169) }
```

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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