

Converting Colors

XYZ(33.1774, 34.4180, 42.8346)

Have a look what the booklet for
XYZ(33.1774, 34.4180, 42.8346)
contains.

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Color

**XYZ(33.1929, 34.4239,
42.9252)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9EAA
RGB	156, 158, 170
RGB Percent	61%, 62%, 67%
CMY	0.3882, 0.3804, 0.3333
CMYK	0.08, 0.07, 0.00, 0.33
HSL	231°, 8%, 64%
HSV	231°, 8%, 67%
XYZ	33.1929, 34.4239, 42.9252
YIQ	158.7700, -5.0440, 3.3080

Conversions

Conversions Part 2

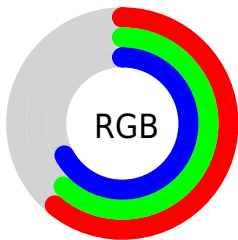
Format	Color
R_{YB}	156, 158, 170
Decimal	10264234
CIE Lab	65.30, 1.68, -6.48
CIE LCh	65, 6.696, 284.566
Yxy	34.4239, 0.3003, 0.3114
Android (android.graphics.Color)	4288454314 (0xFF9C9EAA)
YUV	158.7700, 5.5364, -2.4293
Hunter-Lab	58.6719, -1.6916, -2.3071

Details

The XYZ color **33.1929, 34.4239, 42.9252** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.5812, 38.9515, 37.0436**, and the grayscale version is **32.8276, 34.5372, 37.6110**.

A 20% lighter version of the original color is **64.2488, 66.8736, 80.7558**, and **14.3534, 14.8267, 19.2449** is the 20% darker color. If you saturate the color by 10%, you get **27.7913, 28.1670, 42.0027**, and if you desaturate by 10%, it is **39.3516, 41.5103, 43.9690**.

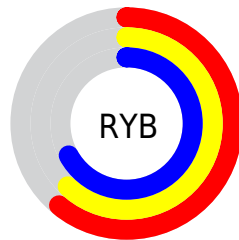
Distribution



Red (61%)

Green (62%)

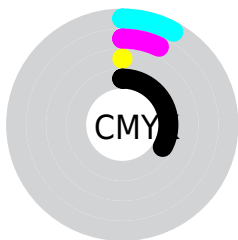
Blue (67%)



Red (61%)

Yellow (62%)

Blue (67%)

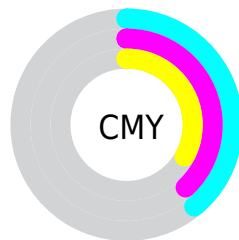


Cyan (8%)

Magenta (7%)

Yellow (0%)

Black (33%)



Cyan (39%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1929, 34.4239, 42.9252 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 33.1929, 34.4239, 42.9252 by changing the saturation by 10% instead.

■ 33.1929, 34.4239,
42.9252

■ 33.1929, 34.4239,
42.9252

308.1677,
322.0181, 374.2162

■ 22.4342, 23.2194,
29.4955

■ 64.0292, 66.5923,
80.8831

■ 14.2947, 14.7556,
19.2072

■ 84.8376, 88.3251,
106.2484

■ 8.4090, 8.6481,
11.6417

109.7265,
114.3361, 136.4292

■ 4.4117, 4.5123,
6.3807

139.0614,
145.0097, 171.8442

■ 1.9376, 1.9641,
3.0054

173.2077,
180.7303, 212.9119

■ 0.5985, 0.5865,
1.0974

212.5305,

■ 0.0000, 0.0000,

221.8823, 260.0507

0.0000

257.3954,
268.8501, 313.6793

■ 33.1929, 34.4239,
42.9252

■ 33.1929, 34.4239,
42.9252

■ 27.7913, 28.1670,
42.0027

■ 39.3516, 41.5103,
43.9690

■ 23.1146, 22.7050,
41.1949

■ 46.2920, 49.4506,
45.1358

■ 19.1324, 18.0072,
40.4981

■ 54.0413, 58.2737,
46.4304

■ 15.8114, 14.0391,
39.9072

■ 62.6247, 68.0055,
47.8564

■ 13.1153, 10.7638,
39.4171

■ 72.0660, 78.6712,
49.4175

■ 11.0043, 8.1409,
39.0221

■ 81.2750, 89.7208,
51.0649

■ 9.4339, 6.1259,
38.7159

■ 84.2558, 95.6823,
52.0585

■ 8.3529, 4.6682,
38.4915

■ 7.6826, 3.7001,
38.3400

Harmonies

Analogous

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



32.2222, 34.4239, 42.9022



33.1929, 34.4239, 42.9252



34.0529, 34.4239, 41.4407

Triad

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



33.1929, 34.4239, 42.9252



34.0735, 34.4239, 33.8370



30.9439, 34.4239, 36.0703

Complementary

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



33.1929, 34.4239, 42.9252



36.5812, 38.9515, 37.0436

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.



31.4202, 34.4239, 33.7833



33.1929, 34.4239, 42.9252



33.2206, 34.4239, 32.5383

Square

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



33.1929, 34.4239, 42.9252



34.5681, 34.4239, 36.1469



32.2494, 34.4239, 32.5192



30.9368, 34.4239, 38.8491

Rectangle

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



33.1929, 34.4239, 42.9252



34.4422, 34.4239, 39.8365



32.2494, 34.4239, 32.5192



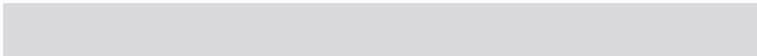
31.0540, 34.4239, 35.2217

Sweetspot

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



33.1939, 34.4254, 42.9260



66.9866, 70.2484, 79.0306



35.1442, 38.6414, 42.6037



14.9666, 15.6982, 17.6289



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.



33.1939, 34.4254, 42.9260



58.2123, 60.1342, 77.5408



33.8227, 34.2467, 42.8583



7.2152, 7.4672, 9.4794



5.6083, 2.6768, 28.1966



0.1615, 0.1153, 0.6944

Inverse Universe

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



34.6384, 34.7924, 37.2393



61.4152, 60.9635, 64.9285



35.9139, 39.1604, 37.1191



7.5732, 7.5591, 8.0697



12.3314, 6.3413, 1.2908



0.3127, 0.1593, 0.0980

Previews

White Background



This preview shows how the XYZ color 33.1929, 34.4239, 42.9252 looks on a white background.

Color Contrast Check

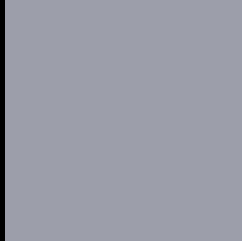
Large Text (above 18pt) WCAG AA × Fail

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 33.1929, 34.4239, 42.9252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

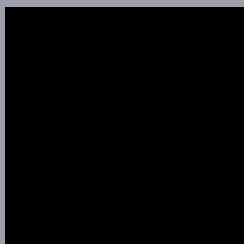
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

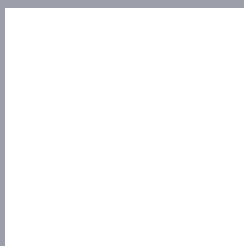
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.1929, 34.4239, 42.9252

Background



This preview shows how black text looks on a background with the XYZ color 33.1929, 34.4239, 42.9252.



This preview shows how white text looks on a background with the XYZ color 33.1929, 34.4239,

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

33.1929, 34.4239, 42.9252

Protanopia

33.4132, 34.2853, 42.8869

Deuteranopia

35.0547, 34.3763, 43.3158



Tritanopia

33.1929, 34.4239, 42.9252

Trichromacy



Original Color

33.1929, 34.4239, 42.9252

Protanomaly

33.2173, 34.1843, 42.8777

Deuteranomaly

34.3819, 34.2755, 43.3318

Tritanomaly

33.1929, 34.4239, 42.9252

Monochromacy



Original Color

33.1929, 34.4239, 42.9252

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.1095, 34.7097, 39.6049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.1929, 34.4239, 42.9252 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(156, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(156, 158, 170)  
}
```

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(156, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 158, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.1929, 34.4239, 42.9252 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(156, 158, 170) }
```


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

```
.border{ border-color:rgb(156, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(156, 158,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.1929, 34.4239, 42.9252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 158, 170) }
```

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

```
.background{ background-color: rgb(156,  
158, 170) }
```

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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