

Converting Colors

XYZ(33.9624, 36.9197, 48.4681)

Have a look what the booklet for
XYZ(33.9624, 36.9197, 48.4681)
contains.

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Color

**XYZ(33.9071, 36.7708,
48.4904)**

Conversions

Conversions Part 1

Format	Color
Hex	93A6B4
RGB	147, 166, 180
RGB Percent	58%, 65%, 71%
CMY	0.4235, 0.3490, 0.2941
CMYK	0.18, 0.08, 0.00, 0.29
HSL	205°, 18%, 64%
HSV	205°, 18%, 71%
XYZ	33.9071, 36.7708, 48.4904
YIQ	161.9150, -15.8180, 0.3260

Conversions

Conversions Part 2

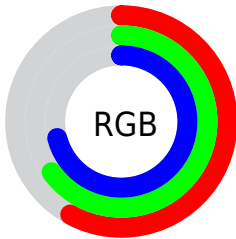
Format	Color
RYB	147, 159, 180
Decimal	9676468
CIELab	67.10, -3.60, -9.45
CIElCh	67, 10.109, 249.154
Yxy	36.7708, 0.2845, 0.3086
Android (android.graphics.Color)	4287866548 (0xFF93A6B4)
YUV	161.9150, 8.9159, -13.0805
Hunter-Lab	60.6389, -6.3074, -4.9645

Details

The XYZ color **33.9071, 36.7708, 48.4904** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8341, 37.2997, 32.8628**, and the grayscale version is **34.2687, 36.0533, 39.2621**.

A 20% lighter version of the original color is **65.0842, 70.1865, 89.4739**, and **14.6719, 16.0537, 22.4041** is the 20% darker color. If you saturate the color by 10%, you get **29.5817, 32.5422, 47.9028**, and if you desaturate by 10%, it is **38.8222, 41.4277, 49.1308**.

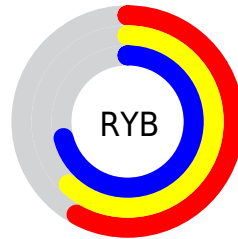
Distribution



Red (58%)

Green (65%)

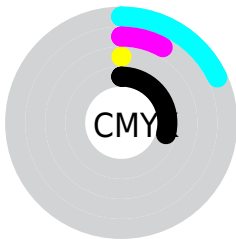
Blue (71%)



Red (58%)

Yellow (62%)

Blue (71%)

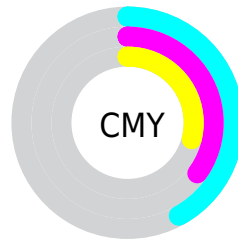


Cyan (18%)

Magenta (8%)

Yellow (0%)

Black (29%)



Cyan (42%)

Magenta (35%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9071, 36.7708, 48.4904 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 33.9071, 36.7708, 48.4904 by changing the saturation by 10% instead.

■ 33.9071, 36.7708,
48.4904

■ 33.9071, 36.7708,
48.4904

311.3108,
332.3171, 397.2973

■ 22.9848, 25.0301,
33.8527

■ 65.1344, 70.2201,
89.3072

■ 14.7029, 16.0995,
22.5040

■ 86.1702, 92.6975,
116.3234

■ 8.6961, 9.5946,
14.0258

111.3077,
119.5226, 148.3029

■ 4.5990, 5.1310,
7.9997

140.9125,
151.0798, 185.6640

■ 2.0463, 2.3243,
4.0070

175.3499,
187.7534, 228.8255

■ 0.6598, 0.7865,
1.6292

214.9851,

■ 0.0000, 0.0000,

229.9279, 278.2059

0.3115

260.1837,
277.9877, 334.2236

■ 0.0000, 0.0000,
0.0000

■ 33.9071, 36.7708,
48.4904

■ 33.9071, 36.7708,
48.4904

■ 29.5817, 32.5422,
47.9028

■ 38.8222, 41.4277,
49.1308

■ 25.8178, 28.7223,
47.3638

■ 44.3470, 46.5222,
49.8230

■ 22.5899, 25.2969,
46.8728

■ 50.5045, 52.0694,
50.5691

■ 19.8688, 22.2485,
46.4278

■ 57.3155, 58.0818,
51.3707

■ 17.6224, 19.5585,
46.0270

■ 64.7999, 64.5717,
52.2289

■ 15.8147, 17.2058,
45.6682

■ 72.9757, 71.5500,
53.1449

■ 14.4034, 15.1663,
45.3489

■ 74.9276, 75.4538,
53.7955

■ 13.3195, 13.4018,
45.0654

■ 76.9709, 79.5405,
54.4767

■ 13.1533, 13.1253,
45.0208

■ 79.1069, 83.8124,
55.1886

Harmonies

Analogous

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



32.7048, 36.7708, 45.6298



33.9071, 36.7708, 48.4904



35.4224, 36.7708, 48.9998

Triad

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



33.9071, 36.7708, 48.4904



37.9530, 36.7708, 38.7041



33.1143, 36.7708, 33.8187

Complementary

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



33.9071, 36.7708, 48.4904



36.8341, 37.2997, 32.8628

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.



34.4809, 36.7708, 32.2400



33.9071, 36.7708, 48.4904



37.2947, 36.7708, 34.9212

Square

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



33.9071, 36.7708, 48.4904



37.7884, 36.7708, 43.1292



36.0131, 36.7708, 32.6283



32.2565, 36.7708, 37.0966

Rectangle

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



33.9071, 36.7708, 48.4904



36.4109, 36.7708, 47.9033



36.0131, 36.7708, 32.6283



33.5278, 36.7708, 33.0830

Sweetspot

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



33.9082, 36.7723, 48.4912



73.5214, 78.0272, 89.4804



34.7656, 41.4107, 39.7642



15.7445, 16.7290, 19.3214



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.9082, 36.7723, 48.4912



58.1839, 63.4822, 87.4813



31.1381, 31.2322, 47.5679



8.4346, 9.0155, 10.8019



9.2478, 9.2959, 31.4439



0.3473, 0.4051, 1.0081

Inverse Universe

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



36.1400, 33.3248, 40.6057



63.0331, 56.2454, 70.2904



39.8611, 43.3537, 33.8718



8.6946, 8.5845, 9.8901



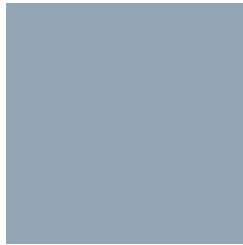
14.9025, 7.4786, 9.9124



0.4973, 0.2467, 0.4616

Previews

White Background



This preview shows how the XYZ color 33.9071, 36.7708, 48.4904 looks on a white background.

Color Contrast Check

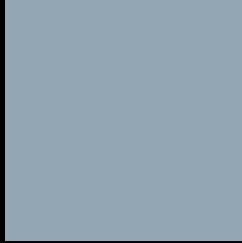
Large Text (above 18pt) WCAG AA × Fail

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 33.9071, 36.7708, 48.4904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

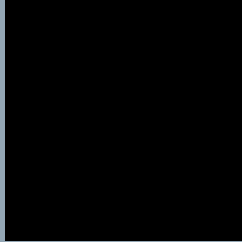
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

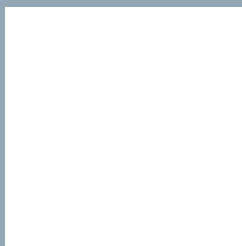
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9071, 36.7708, 48.4904

Background



This preview shows how black text looks on a background with the XYZ color 33.9071, 36.7708, 48.4904.



This preview shows how white text looks on a background with the XYZ color 33.9071, 36.7708,

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

33.9071, 36.7708, 48.4904

Protanopia

35.7564, 36.6964, 46.7935

Deuteranopia

37.3162, 36.6785, 48.8289



Tritanopia

33.8055, 36.7302, 47.9557

Trichromacy



Original Color

33.9071, 36.7708, 48.4904

Protanomaly

35.0377, 36.5768, 47.3328

Deuteranomaly

36.1611, 36.8582, 48.9245

Tritanomaly

33.8055, 36.7302, 47.9557

Monochromacy



Original Color

33.9071, 36.7708, 48.4904

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1633, 36.2271, 42.7280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9071, 36.7708, 48.4904 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(147, 166, 180)` looks like.

```
.text, #text, p{  
    color:rgb(147, 166, 180)  
}
```

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(147, 166, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 166, 180) }
```

Border

The CSS property to change the border of an element to XYZ 33.9071, 36.7708, 48.4904 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(147, 166, 180) }
```


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

```
.border{ border-color:rgb(147, 166, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 166, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 166, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 166, 180);  
box-shadow:4px 4px 4px 4px rgb(147, 166,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9071, 36.7708, 48.4904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 166, 180) }
```

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

```
.background{ background-color: rgb(147,  
166, 180) }
```

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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