

Converting Colors

XYZ(33.0823, 37.1027, 42.6104)

Have a look what the booklet for
XYZ(33.0823, 37.1027, 42.6104)
contains.

XYZ(32.9246, 36.9434, 42.4413)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(32.9246, 36.9434,
42.4413)**

Conversions

Conversions Part 1

Format	Color
Hex	92A8A8
RGB	146, 168, 168
RGB Percent	57%, 66%, 66%
CMY	0.4274, 0.3412, 0.3412
CMYK	0.13, 0.00, 0.00, 0.34
HSL	180°, 11%, 62%
HSV	180°, 13%, 66%
XYZ	32.9246, 36.9434, 42.4413
YIQ	161.4220, -13.1120, -4.6640

Conversions

Conversions Part 2

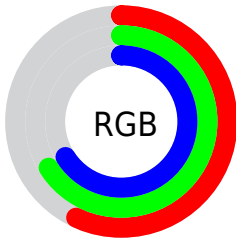
Format	Color
RYB	146, 157, 168
Decimal	9611432
CIELab	67.23, -7.62, -2.59
CIElCh	67, 8.044, 198.773
Yxy	36.9434, 0.2932, 0.3289
Android (android.graphics.Color)	4287801512 (0xFF92A8A8)
YUV	161.4220, 3.2430, -13.5251
Hunter-Lab	60.7811, -9.6749, 1.1466

Details

The XYZ color **32.9246, 36.9434, 42.4413** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.6170, 30.9590, 31.5051**, and the grayscale version is **34.0632, 35.8372, 39.0267**.

A 20% lighter version of the original color is **63.5264, 70.3824, 80.0490**, and **14.1171, 16.1846, 18.9029** is the 20% darker color. If you saturate the color by 10%, you get **30.1550, 35.5166, 42.3116**, and if you desaturate by 10%, it is **36.1352, 38.5995, 42.5932**.

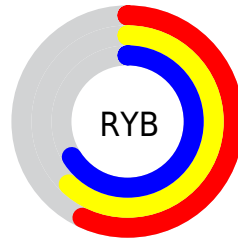
Distribution



Red (57%)

Green (66%)

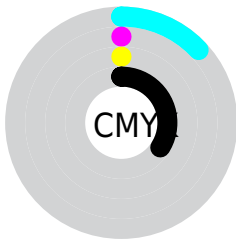
Blue (66%)



Red (57%)

Yellow (62%)

Blue (66%)

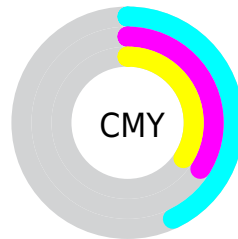


Cyan (13%)

Magenta (0%)

Yellow (0%)

Black (34%)



Cyan (43%)

Magenta (34%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9246, 36.9434, 42.4413 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 32.9246, 36.9434, 42.4413 by changing the saturation by 10% instead.

■ 32.9246, 36.9434,
42.4413

■ 32.9246, 36.9434,
42.4413

306.9808,
333.0654, 372.1625

■ 22.2276, 25.1637,
29.1188

■ 63.6133, 70.4857,
80.1444

■ 14.1418, 16.1990,
18.9244

■ 84.3357, 93.0171,
105.3621

■ 8.3017, 9.6651,
11.4394

109.1306,
119.9012, 135.3819

■ 4.3420, 5.1775,
6.2453

138.3635,
151.5223, 170.6225

■ 1.8974, 2.3518,
2.9236

172.3996,
188.2649, 211.5023

■ 0.5753, 0.8009,
1.0558

211.6042,

■ 0.0000, 0.0000,

230.5133, 258.4399

0.0000

256.3429,
278.6521, 311.8538

■ 32.9246, 36.9434,
42.4413

■ 32.9246, 36.9434,
42.4413

■ 30.1550, 35.5166,
42.3116

■ 36.1352, 38.5995,
42.5932

■ 27.8042, 34.3048,
42.2007

■ 39.8016, 40.4896,
42.7656

■ 25.8528, 33.2988,
42.1085

■ 43.9417, 42.6238,
42.9603

■ 24.2785, 32.4872,
42.0340

■ 48.5715, 45.0106,
43.1778

■ 23.0571, 31.8576,
41.9760

■ 53.7064, 47.6577,
43.4190

■ 22.1613, 31.3958,
41.9332

■ 59.3609, 50.5727,
43.6844

■ 21.5600, 31.0859,
41.9042

■ 62.3125, 52.0943,
43.8234

■ 21.2160, 30.9086,
41.8872

■ 62.3126, 52.0943,
43.8243

■ 21.0699, 30.8332,
41.8798

■ 62.3128, 52.0944,
43.8252

Harmonies

Analogous

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



32.8476, 36.9434, 38.9224



32.9246, 36.9434, 42.4413



33.5800, 36.9434, 45.5297

Triad

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



32.9246, 36.9434, 42.4413



36.9200, 36.9434, 44.8495



35.5754, 36.9434, 33.9487

Complementary

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



32.9246, 36.9434, 42.4413



31.6170, 30.9590, 31.5051

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.



36.6932, 36.9434, 35.3494



32.9246, 36.9434, 42.4413



37.4815, 36.9434, 41.5565

Square

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



32.9246, 36.9434, 42.4413



35.8791, 36.9434, 46.9750



37.3975, 36.9434, 38.0874



34.3590, 36.9434, 34.1548

Rectangle

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



32.9246, 36.9434, 42.4413



34.2654, 36.9434, 46.8652



37.3975, 36.9434, 38.0874



35.9757, 36.9434, 34.2438

Sweetspot

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



32.9257, 36.9449, 42.4421



64.9644, 69.7292, 77.2595



31.1114, 36.2268, 32.5476



14.0620, 15.1477, 16.8346



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.



32.9257, 36.9449, 42.4421



58.0531, 66.1664, 76.9342



31.0421, 33.1776, 41.8154



7.7475, 8.5321, 9.6567



15.9104, 23.2829, 31.6245



0.3871, 0.5665, 0.7695

Inverse Universe

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



31.6170, 30.9590, 31.5051



55.1627, 52.9455, 52.7782



33.3331, 34.3915, 32.0762



7.5312, 7.5423, 7.8483



12.1947, 6.2866, 0.5712



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 32.9246, 36.9434, 42.4413 looks on a white background.

Color Contrast Check

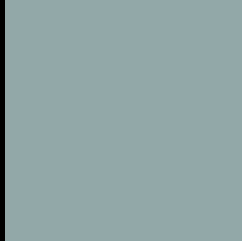
Large Text (above 18pt) WCAG AA × Fail

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 32.9246, 36.9434, 42.4413 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

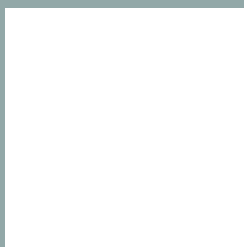
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.9246, 36.9434, 42.4413

Background



This preview shows how black text looks on a background with the XYZ color 32.9246, 36.9434, 42.4413.

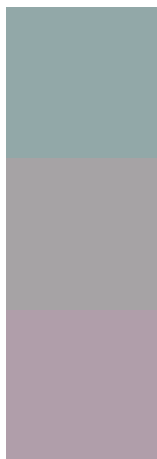


This preview shows how white text looks on a background with the XYZ color 32.9246, 36.9434,

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

32.9246, 36.9434, 42.4413

Protanopia

35.6146, 37.0180, 40.8654

Deuteranopia

37.3871, 36.5861, 43.1215



Tritanopia

33.9856, 36.8230, 47.9641

Trichromacy



Original Color

32.9246, 36.9434, 42.4413

Protanomaly

34.6361, 37.0344, 41.3992

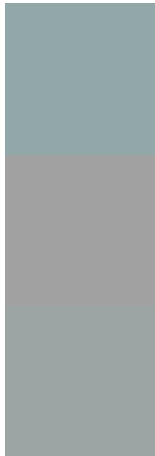
Deuteranomaly

35.5988, 36.7046, 42.7445

Tritanomaly

33.5892, 36.9356, 45.9164

Monochromacy



Original Color

32.9246, 36.9434, 42.4413

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.6866, 36.2992, 40.3529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9246, 36.9434, 42.4413 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(146, 168, 168) looks like.

```
.text, #text, p{  
    color:rgb(146, 168, 168)  
}
```

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(146, 168, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 168, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.9246, 36.9434, 42.4413 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(146, 168, 168) }
```


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

```
.border{ border-color:rgb(146, 168, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 168, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 168, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 168, 168);  
box-shadow:4px 4px 4px 4px rgb(146, 168,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9246, 36.9434, 42.4413 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 168, 168) }
```

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

```
.background{ background-color: rgb(146,  
168, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor