

Converting Colors

XYZ(32.2976, 33.4418, 32.3564)

Have a look what the booklet for
XYZ(32.2976, 33.4418, 32.3564)
contains.

XYZ(32.2976, 33.4418, 32.3564)	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(32.2976, 33.4418,
32.3564)**

Conversions

Conversions Part 1

Format	Color
Hex	A49B93
RGB	164, 155, 147
RGB Percent	64%, 61%, 58%
CMY	0.3569, 0.3921, 0.4235
CMYK	0.00, 0.05, 0.10, 0.36
HSL	28°, 9%, 61%
HSV	28°, 10%, 64%
XYZ	32.2976, 33.4418, 32.3564
YIQ	156.7790, 7.9320, -0.5800

Conversions

Conversions Part 2

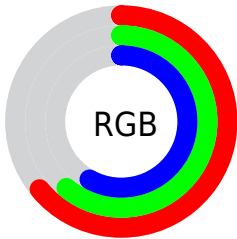
Format	Color
RYB	164, 162, 147
Decimal	10787731
CIELab	64.52, 1.85, 5.36
CIELCh	65, 5.670, 70.914
Yxy	33.4418, 0.3292, 0.3409
Android (android.graphics.Color)	4288977811 (0xFFA49B93)
YUV	156.7790, -4.8210, 6.3328
Hunter-Lab	57.8289, -1.5078, 7.3063

Details

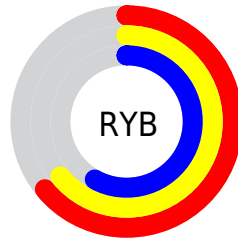
The XYZ color **32.2976, 33.4418, 32.3564** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.6217, 32.6595, 39.8121**, and the grayscale version is **31.9677, 33.6326, 36.6258**.

A 20% lighter version of the original color is **62.5565, 64.8780, 64.4840**, and **13.7437, 14.1899, 13.0809** is the 20% darker color. If you saturate the color by 10%, you get **29.7087, 30.1786, 25.5905**, and if you desaturate by 10%, it is **35.1756, 36.9890, 40.1247**.

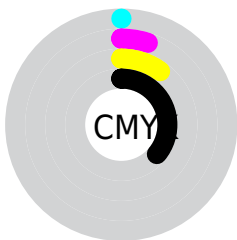
Distribution



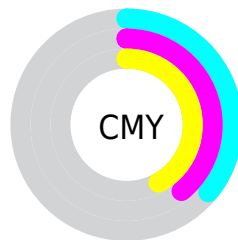
- Red (64%)
- Green (61%)
- Blue (58%)



- Red (64%)
- Yellow (64%)
- Blue (58%)



- Cyan (0%)
- Magenta (5%)
- Yellow (10%)
- Black (36%)



- Cyan (36%)
- Magenta (39%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2976, 33.4418, 32.3564 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 32.2976, 33.4418, 32.3564 by changing the saturation by 10% instead.

■ 32.2976, 33.4418,
32.3564

■ 32.2976, 33.4418,
32.3564

304.1939,
317.6358, 327.2822

■ 21.7456, 22.4651,
21.3668

■ 62.6394, 65.0647,
64.4738

■ 13.7856, 14.1991,
13.1985

■ 83.1599, 86.4796,
86.4386

■ 8.0524, 8.2592,
7.4331

107.7338,
112.1428, 112.8990

■ 4.1806, 4.2613,
3.6519

136.7267,
142.4386, 144.2734

■ 1.8048, 1.8208,
1.4364

170.5038,
177.7514, 180.9804

■ 0.5206, 0.5001,
0.1698

209.4304,

■ 0.0000, 0.0000,

218.4656, 223.4385

0.0000

253.8720,
264.9656, 272.0662

■ 32.2976, 33.4418,
32.3564

■ 32.2976, 33.4418,
32.3564

■ 29.7087, 30.1786,
25.5905

■ 35.1756, 36.9890,
40.1247

■ 27.3964, 27.1876,
19.7834

■ 38.3495, 40.8229,
48.9323

■ 25.3511, 24.4625,
14.8917

■ 41.8290, 44.9518,
58.8167

■ 23.5614, 21.9950,
10.8673

■ 45.6226, 49.3824,
69.8130

■ 22.0152, 19.7764,
7.6581

■ 49.7385, 54.1208,
81.9546

■ 20.6992, 17.7975,
5.2061

■ 54.1846, 59.1734,
95.2736

■ 19.5984, 16.0480,
3.4455

■ 57.8538, 64.1002,
103.9311

■ 18.6957, 14.5168,
2.2991

■ 60.1331, 68.6589,
104.6909

■ 17.9785, 13.2297,
1.6060

■ 62.5316, 73.4560,
105.4904

Harmonies

Analogous

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



32.9774, 33.4418, 33.5676



32.2976, 33.4418, 32.3564



31.4914, 33.4418, 32.2045

Triad

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



32.2976, 33.4418, 32.3564



30.2800, 33.4418, 37.2638



32.8168, 33.4418, 39.8895

Complementary

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



32.2976, 33.4418, 32.3564



30.6217, 32.6595, 39.8121

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.



32.0813, 33.4418, 40.9718



32.2976, 33.4418, 32.3564



30.6225, 33.4418, 39.4136

Square

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



32.2976, 33.4418, 32.3564



30.3357, 33.4418, 34.9728



31.2787, 33.4418, 40.7940



33.2806, 33.4418, 37.8910

Rectangle

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



32.2976, 33.4418, 32.3564



30.9917, 33.4418, 32.7169



31.2787, 33.4418, 40.7940



32.5926, 33.4418, 40.3763

Sweetspot

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



32.2985, 33.4433, 32.3571



62.3918, 65.3581, 68.8558



31.7503, 31.1629, 35.8241



13.5490, 14.1767, 14.8059



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.2985, 33.4433, 32.3571



57.7135, 59.5642, 56.3130



33.7508, 36.3479, 32.8412



7.3359, 7.6101, 7.4623



13.8320, 10.2380, 1.2471



0.3379, 0.3096, 0.0419

Inverse Universe

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



30.6217, 32.6595, 39.8121



54.1683, 57.9072, 72.0746



29.2559, 29.9280, 39.3569



6.9962, 7.4513, 8.9726



7.7862, 7.3518, 27.9384



0.2105, 0.2482, 0.6027

Previews

White Background



This preview shows how the XYZ color 32.2976, 33.4418, 32.3564 looks on a white background.

Color Contrast Check

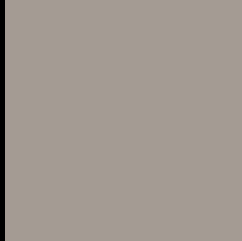
Large Text (above 18pt) WCAG AA × Fail

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 32.2976, 33.4418, 32.3564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

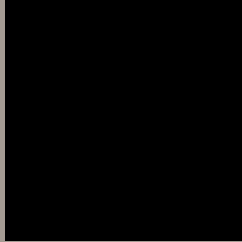
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.2976, 33.4418, 32.3564

Background



This preview shows how black text looks on a background with the XYZ color 32.2976, 33.4418, 32.3564.



This preview shows how white text looks on a background with the XYZ color 32.2976, 33.4418,

32.3564.

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

32.2976, 33.4418, 32.3564

Protanopia

31.8529, 33.4606, 32.3835

Deuteranopia

34.0911, 33.3853, 32.6642



Tritanopia

33.6550, 33.2438, 39.7648

Trichromacy



Original Color

32.2976, 33.4418, 32.3564

Protanomaly

32.0552, 33.5649, 32.3929

Deuteranomaly

33.3681, 33.2525, 32.6767

Tritanomaly

33.0798, 33.2504, 37.0222

Monochromacy



Original Color

32.2976, 33.4418, 32.3564

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1354, 33.5504, 34.9192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2976, 33.4418, 32.3564 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(164, 155, 147)` looks like.

```
.text, #text, p{  
    color:rgb(164, 155, 147)  
}
```

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(164, 155, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 155, 147) }
```

Border

The CSS property to change the border of an element to XYZ 32.2976, 33.4418, 32.3564 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(164, 155, 147) }
```


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

```
.border{ border-color:rgb(164, 155, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 155, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 155, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 155, 147);  
box-shadow:4px 4px 4px 4px rgb(164, 155,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2976, 33.4418, 32.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 155, 147) }
```

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

```
.background{ background-color: rgb(164,  
155, 147) }
```

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