

Converting Colors

XYZ(30.9122, 32.3683, 16.6569)

Have a look what the booklet for
XYZ(30.9122, 32.3683, 16.6569)
contains.

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Color

**XYZ(30.9840, 32.3752,
16.6726)**

Conversions

Conversions Part 1

Format	Color
Hex	AE9864
RGB	174, 152, 100
RGB Percent	68%, 60%, 39%
CMY	0.3176, 0.4039, 0.6078
CMYK	0.00, 0.13, 0.43, 0.32
HSL	42°, 31%, 54%
HSV	42°, 43%, 68%
XYZ	30.9840, 32.3752, 16.6726
YIQ	152.6500, 29.8040, -11.5080

Conversions

Conversions Part 2

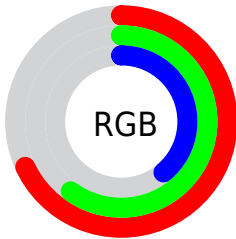
Format	Color
RYB	131, 174, 100
Decimal	11442276
CIELab	63.65, 0.79, 30.33
CIElCh	64, 30.342, 88.512
Yxy	32.3752, 0.3871, 0.4045
Android (android.graphics.Color)	4289632356 (0xFFAE9864)
YUV	152.6500, -25.9565, 18.7239
Hunter-Lab	56.8992, -2.3729, 22.4563

Details

The XYZ color **30.9840, 32.3752, 16.6726** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.8548, 19.6837, 42.7971**, and the grayscale version is **30.2269, 31.8010, 34.6313**.

A 20% lighter version of the original color is **60.6938, 63.3985, 38.7440**, and **13.0192, 13.5484, 5.1777** is the 20% darker color. If you saturate the color by 10%, you get **29.4092, 30.4324, 12.4272**, and if you desaturate by 10%, it is **32.7769, 34.4662, 21.8788**.

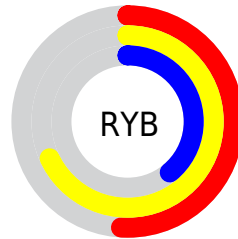
Distribution



Red (68%)

Green (60%)

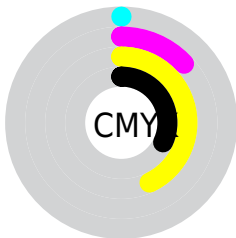
Blue (39%)



Red (51%)

Yellow (68%)

Blue (39%)

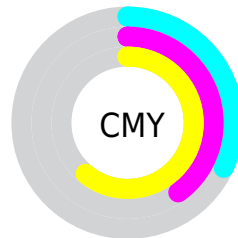


Cyan (0%)

Magenta (13%)

Yellow (43%)

Black (32%)



Cyan (32%)

Magenta (40%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9840, 32.3752, 16.6726 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 30.9840, 32.3752, 16.6726 by changing the saturation by 10% instead.

■ 30.9840, 32.3752,
16.6726

■ 30.9840, 32.3752,
16.6726

298.2928,
312.8249, 245.2583

■ 20.7384, 21.6482,
9.8419

■ 60.5909, 63.3988,
38.5449

■ 13.0443, 13.5987,
5.1900

■ 80.6829, 84.4643,
54.4235

■ 7.5363, 7.8421,
2.2985

■ 104.7878,
109.7447, 74.1552

■ 3.8490, 3.9941,
0.7304

■ 133.2710,
139.6244, 98.1585

■ 1.6171, 1.6702,
0.0000

166.4977,
174.4880, 126.8519

■ 0.4035, 0.4043,
0.0000

204.8333,

■ 0.0000, 0.0000,

214.7196, 160.6540

0.0000

248.6432,
260.7038, 199.9833

■ 30.9840, 32.3752,
16.6726

■ 30.9840, 32.3752,
16.6726

■ 29.4092, 30.4324,
12.4272

■ 32.7769, 34.4662,
21.8788

■ 28.0381, 28.6278,
9.0797

■ 34.7965, 36.7059,
28.0995

■ 26.8580, 26.9567,
6.5625

■ 37.0538, 39.1008,
35.3866

■ 25.8539, 25.4122,
4.7978

■ 39.5582, 41.6552,
43.7882

■ 25.0075, 23.9864,
3.6926

■ 42.3187, 44.3734,
53.3490

■ 24.4495, 22.9866,
3.1482

■ 45.3438, 47.2596,
64.1117

■ 48.6415, 50.3175,
76.1164

■ 52.2194, 53.5509,
89.4016

■ 55.8261, 56.8598,
102.6404

Harmonies

Analogous

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



35.2328, 32.3752, 18.8444



30.9840, 32.3752, 16.6726



27.0392, 32.3752, 18.4476

Triad

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



30.9840, 32.3752, 16.6726



24.1449, 32.3752, 47.6221



38.2664, 32.3752, 48.9180

Complementary

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



30.9840, 32.3752, 16.6726



19.8548, 19.6837, 42.7971

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.



34.8327, 32.3752, 60.0269



30.9840, 32.3752, 16.6726



26.7040, 32.3752, 59.1659

Square

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



30.9840, 32.3752, 16.6726



23.3152, 32.3752, 34.6478



30.5603, 32.3752, 64.1476



39.6692, 32.3752, 35.8613

Rectangle

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



30.9840, 32.3752, 16.6726



25.0558, 32.3752, 21.9273



30.5603, 32.3752, 64.1476



37.2967, 32.3752, 53.1060

Sweetspot

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



30.9848, 32.3767, 16.6733



66.9103, 70.6109, 63.1947



25.5382, 19.5234, 20.9001



14.6666, 15.4795, 13.3755



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.9848, 32.3767, 16.6733



53.5131, 55.4145, 22.9739



31.7741, 38.5835, 17.8297



8.4586, 8.9221, 8.4897



17.7869, 16.7793, 2.3013



0.5394, 0.5560, 0.0789

Inverse Universe

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



19.8548, 19.6837, 42.7971



30.6584, 29.3737, 76.6907



19.2414, 15.8020, 42.0802



7.7657, 8.1308, 10.1128



6.4691, 4.0720, 29.4895



0.2282, 0.2097, 0.8364

Previews

White Background



This preview shows how the XYZ color 30.9840, 32.3752, 16.6726 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 30.9840, 32.3752, 16.6726 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

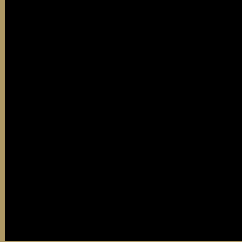
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.9840, 32.3752, 16.6726

Background



This preview shows how black text looks on a background with the XYZ color 30.9840, 32.3752, 16.6726.



This preview shows how white text looks on a background with the XYZ color 30.9840, 32.3752,

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

30.9840, 32.3752, 16.6726

Protanopia

30.0530, 32.3756, 16.9771

Deuteranopia

32.7903, 32.1213, 16.7837



Tritanopia

34.9485, 32.3544, 35.8555

Trichromacy



Original Color

30.9840, 32.3752, 16.6726

Protanomaly

30.3178, 32.2681, 16.9424

Deuteranomaly

32.1525, 32.2582, 16.8438

Tritanomaly

33.3939, 32.4224, 27.7906

Monochromacy



Original Color

30.9840, 32.3752, 16.6726

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3923, 32.0808, 27.1446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9840, 32.3752, 16.6726 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(174, 152, 100)` looks like.

```
.text, #text, p{  
    color:rgb(174, 152, 100)  
}
```

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(174, 152, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 152, 100) }
```

Border

The CSS property to change the border of an element to XYZ 30.9840, 32.3752, 16.6726 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(174, 152, 100) }
```


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

```
.border{ border-color:rgb(174, 152, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 152, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 152, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 152, 100);  
box-shadow:4px 4px 4px 4px rgb(174, 152,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9840, 32.3752, 16.6726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 152, 100) }
```

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

```
.background{ background-color: rgb(174,  
152, 100) }
```

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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