

Converting Colors

XYZ(16.7870, 19.7608, 14.5281)

Have a look what the booklet for
XYZ(16.7870, 19.7608, 14.5281)
contains.

XYZ(16.8632, 19.8976, 14.5071)	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(16.8632, 19.8976,
14.5071)**

Conversions

Conversions Part 1

Format	Color
Hex	728062
RGB	114, 128, 98
RGB Percent	45%, 50%, 38%
CMY	0.5529, 0.4980, 0.6157
CMYK	0.11, 0.00, 0.23, 0.50
HSL	88°, 13%, 44%
HSV	88°, 23%, 50%
XYZ	16.8632, 19.8976, 14.5071
YIQ	120.3940, 1.2860, -12.2980

Conversions

Conversions Part 2

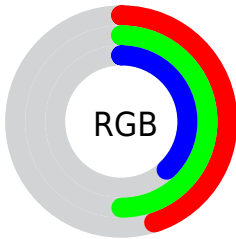
Format	Color
RYB	98, 128, 112
Decimal	7503970
CIELab	51.72, -10.95, 14.61
CIElCh	52, 18.257, 126.840
Yxy	19.8976, 0.3289, 0.3881
Android (android.graphics.Color)	4285694050 (0xFF728062)
YUV	120.3940, -11.0402, -5.6075
Hunter-Lab	44.6067, -10.5813, 11.9423

Details

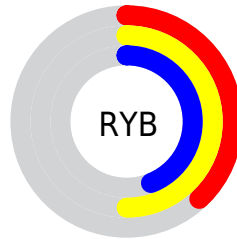
The XYZ color **16.8632, 19.8976, 14.5071** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **14.9469, 13.7392, 22.2873**, and the grayscale version is **18.0133, 18.9514, 20.6381**.

A 20% lighter version of the original color is **37.6746, 43.3247, 34.8106**, and **5.6403, 6.9892, 4.1837** is the 20% darker color. If you saturate the color by 10%, you get **15.5548, 19.2880, 11.5394**, and if you desaturate by 10%, it is **18.3201, 20.5738, 17.9872**.

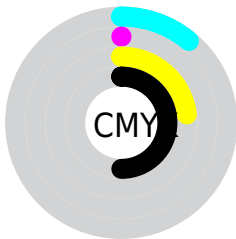
Distribution



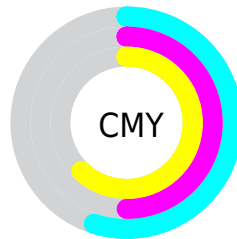
- Red (45%)
- Green (50%)
- Blue (38%)



- Red (38%)
- Yellow (50%)
- Blue (44%)



- Cyan (11%)
- Magenta (0%)
- Yellow (23%)
- Black (50%)



- Cyan (55%)
- Magenta (50%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8632, 19.8976, 14.5071 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 16.8632, 19.8976, 14.5071 by changing the saturation by 10% instead.

■ 16.8632, 19.8976,
14.5071

■ 16.8632, 19.8976,
14.5071

227.5544,
251.3602, 231.9002

■ 10.2317, 12.3206,
8.3314

■ 37.6359, 43.2454,
34.7161

■ 5.6163, 6.9624,
4.2170

■ 52.5078, 59.7851,
49.5866

■ 2.6516, 3.4386,
1.7451

■ 70.8572, 80.0811,
68.1923

■ 0.9723, 1.3648,
0.3914

■ 93.0495, 104.5179,
90.9520

■ 0.0000, 0.1906,
0.0000

119.4500,
133.4798, 118.2841

■ 0.0000, 0.0000,
0.0000

150.4241,

167.3512, 150.6071

186.3371,
206.5165, 188.3396

■ 16.8632, 19.8976,
14.5071

■ 16.8632, 19.8976,
14.5071

■ 15.5548, 19.2880,
11.5394

■ 18.3201, 20.5738,
17.9872

■ 14.3878, 18.7401,
9.0585

■ 19.9292, 21.3161,
22.0010

■ 13.3567, 18.2522,
7.0388

■ 21.6959, 22.1275,
26.5702

■ 12.4551, 17.8216,
5.4517

■ 23.6249, 23.0101,
31.7148

■ 11.6760, 17.4454,
4.2653

■ 25.7206, 23.9657,
37.4539

■ 11.0114, 17.1203,
3.4434

■ 27.9875, 24.9960,
43.8057

■ 10.4516, 16.8422,
2.9412

■ 30.4295, 26.1029,
50.7876

■ 10.1217, 16.6775,
2.6856

■ 33.0508, 27.2881,
58.4164

■ 35.8550, 28.5531,
66.7082

Harmonies

Analogous

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



18.4926, 19.8976, 13.0601



16.8632, 19.8976, 14.5071



15.8335, 19.8976, 17.9089

Triad

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



16.8632, 19.8976, 14.5071



17.5505, 19.8976, 32.4165



22.6587, 19.8976, 20.4771

Complementary

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



16.8632, 19.8976, 14.5071



14.9469, 13.7392, 22.2873

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.



22.3659, 19.8976, 25.9129



16.8632, 19.8976, 14.5071



19.3379, 19.8976, 33.4031

Square

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



16.8632, 19.8976, 14.5071



16.2119, 19.8976, 28.3477



21.1205, 19.8976, 30.8587



21.8965, 19.8976, 16.1251

Rectangle

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



16.8632, 19.8976, 14.5071



15.5856, 19.8976, 21.1098



21.1205, 19.8976, 30.8587



22.6811, 19.8976, 22.2301

Sweetspot

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



16.8637, 19.8985, 14.5075



34.0001, 37.0278, 35.9914



16.9016, 17.0601, 13.9577



7.9304, 8.6554, 8.3515



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.8637, 19.8985, 14.5075



28.4582, 34.4590, 22.7114



15.0700, 18.9738, 14.4236



4.4779, 4.9228, 4.6343



10.0375, 16.5369, 2.6629



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.9469, 13.7392, 22.2873



24.4820, 21.6815, 38.8509



17.0171, 14.8064, 22.3842



4.2848, 4.3024, 5.4179



5.6973, 2.4908, 20.4304



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.8632, 19.8976, 14.5071 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8632, 19.8976, 14.5071 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 × Fail

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

XYZ 16.8632, 19.8976, 14.5071

Background



This preview shows how black text looks on a background with the XYZ color 16.8632, 19.8976, 14.5071.

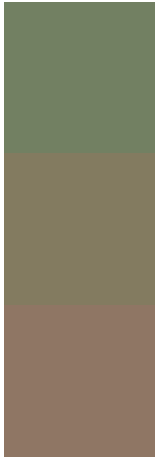


This preview shows how white text looks on a background with the XYZ color 16.8632, 19.8976,

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

16.8632, 19.8976, 14.5071

Protanopia

18.5544, 19.8357, 13.9171

Deuteranopia

20.1064, 19.7166, 14.8026



Tritanopia

18.9243, 19.7813, 25.0111

Trichromacy



Original Color

16.8632, 19.8976, 14.5071

Protanomaly

17.9487, 19.8903, 14.2025

Deuteranomaly

18.7274, 19.7255, 14.6247

Tritanomaly

18.0599, 19.8052, 20.6402

Monochromacy



Original Color

16.8632, 19.8976, 14.5071

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.4788, 19.1873, 18.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8632, 19.8976, 14.5071 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(114, 128, 98)` looks like.

```
.text, #text, p{  
    color:rgb(114, 128, 98)  
}
```

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(114, 128, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 128, 98) }
```

Border

The CSS property to change the border of an element to XYZ 16.8632, 19.8976, 14.5071 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(114, 128, 98) }
```


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

```
.border{ border-color:rgb(114, 128, 98) }
```

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

Here you see how a box with a 4 pixel rgb(114, 128, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 128, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 128, 98);  
box-shadow:4px 4px 4px 4px rgb(114, 128,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 16.8632, 19.8976, 14.5071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 128, 98) }
```

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

```
.background{ background-color: rgb(114,  
128, 98) }
```

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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