

Converting Colors

XYZ(16.9561, 18.8206, 19.3971)

Have a look what the booklet for
XYZ(16.9561, 18.8206, 19.3971)
contains.

XYZ(16.9174, 18.8716, 19.2739)	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(16.9174, 18.8716,
19.2739)**

Conversions

Conversions Part 1

Format	Color
Hex	707B74
RGB	112, 123, 116
RGB Percent	44%, 48%, 45%
CMY	0.5608, 0.5176, 0.5451
CMYK	0.09, 0.00, 0.06, 0.52
HSL	142°, 5%, 46%
HSV	142°, 9%, 48%
XYZ	16.9174, 18.8716, 19.2739
YIQ	118.9130, -4.3090, -4.5090

Conversions

Conversions Part 2

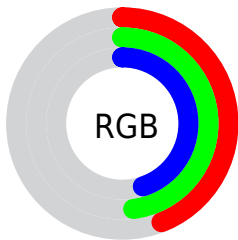
Format	Color
R_{YB}	112, 120, 123
Decimal	7371636
CIE Lab	50.54, -5.54, 2.42
CIE LCh	51, 6.046, 156.387
Yxy	18.8716, 0.3072, 0.3427
Android (android.graphics.Color)	4285561716 (0xFF707B74)
YUV	118.9130, -1.4361, -6.0627
Hunter-Lab	43.4415, -6.5093, 4.1035

Details

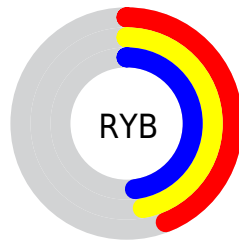
The XYZ color **16.9174, 18.8716, 19.2739** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.2930, 17.1316, 19.8489**, and the grayscale version is **17.5128, 18.4249, 20.0647**.

A 20% lighter version of the original color is **37.7077, 41.3796, 43.0454**, and **5.6065, 6.4049, 6.4096** is the 20% darker color. If you saturate the color by 10%, you get **15.0217, 17.9453, 16.9076**, and if you desaturate by 10%, it is **19.0663, 19.9251, 21.8532**.

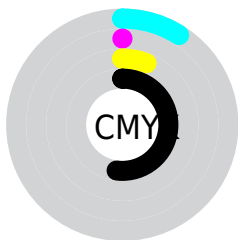
Distribution



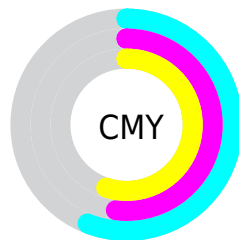
- Red (44%)
- Green (48%)
- Blue (45%)



- Red (44%)
- Yellow (47%)
- Blue (48%)



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (52%)



- Cyan (56%)
- Magenta (52%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9174, 18.8716, 19.2739 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 16.9174, 18.8716, 19.2739 by changing the saturation by 10% instead.

■ 16.9174, 18.8716,
19.2739

■ 16.9174, 18.8716,
19.2739

227.8615,
245.7390, 260.4296

■ 10.2706, 11.5775,
11.6895

■ 37.7284, 41.5170,
43.0393

■ 5.6424, 6.4567,
6.4127

■ 52.6233, 57.6372,
60.0573

■ 2.6674, 3.1247,
3.0248

■ 70.9983, 77.4681,
81.0571

■ 0.9804, 1.1972,
1.1073

■ 93.2187, 101.3943,
106.4570

■ 0.0000, 0.0594,
0.0000

119.6498,
129.8001, 136.6757

■ 0.0000, 0.0000,
0.0000

150.6571,

163.0699, 172.1317

186.6059,
201.5880, 213.2435

■ 16.9174, 18.8716,
19.2739

■ 16.9174, 18.8716,
19.2739

■ 15.0217, 17.9453,
16.9076

■ 19.0663, 19.9251,
21.8532

■ 13.3682, 17.1390,
14.7478

■ 21.4760, 21.1079,
24.6493

■ 11.9472, 16.4483,
12.7891

■ 24.1555, 22.4252,
27.6678

■ 10.7478, 15.8677,
11.0258

■ 27.1131, 23.8811,
30.9135

■ 9.7581, 15.3914,
9.4518

■ 30.3565, 25.4796,
34.3909

■ 8.9652, 15.0126,
8.0606

■ 33.8932, 27.2243,
38.1047

■ 8.3545, 14.7240,
6.8454

■ 37.7306, 29.1189,
42.0592

■ 7.9095, 14.5173,
5.7989

■ 41.8755, 31.1671,
46.2587

■ 7.5838, 14.3687,
4.9119

■ 46.3347, 33.3721,
50.7074

Harmonies

Analogous

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



17.2723, 18.8716, 18.0419



16.9174, 18.8716, 19.2739



16.8330, 18.8716, 20.9115

Triad

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



16.9174, 18.8716, 19.2739



18.0634, 18.8716, 23.9487



18.8657, 18.8716, 18.6802

Complementary

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



16.9174, 18.8716, 19.2739



17.2930, 17.1316, 19.8489

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.



19.0881, 18.8716, 20.1886



16.9174, 18.8716, 19.2739



18.6183, 18.8716, 23.2759

Square

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



16.9174, 18.8716, 19.2739



17.4863, 18.8716, 23.6709



18.9965, 18.8716, 21.8770



18.3951, 18.8716, 17.7125

Rectangle

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



16.9174, 18.8716, 19.2739



16.9397, 18.8716, 22.0260



18.9965, 18.8716, 21.8770



18.9724, 18.8716, 19.1376

Sweetspot

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



16.9179, 18.8724, 19.2743



32.4970, 34.8729, 37.1781



17.6366, 19.2692, 18.1192



7.5871, 8.1805, 8.6764



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



16.9179, 18.8724, 19.2743



29.4649, 33.3881, 33.4945



17.2384, 19.0006, 20.9616



4.0055, 4.4718, 4.5630



7.8092, 14.8474, 4.9804



36.8743, 70.6727, 21.7738

Inverse Universe

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



17.2930, 17.1316, 19.8489



30.2982, 29.5198, 34.7712



16.9805, 17.0066, 18.2033



4.0956, 4.0539, 4.7009



9.8805, 4.9283, 7.9275



46.7116, 23.3410, 35.6068

Previews

White Background



This preview shows how the XYZ color 16.9174, 18.8716, 19.2739 looks on a white background.

Color Contrast Check

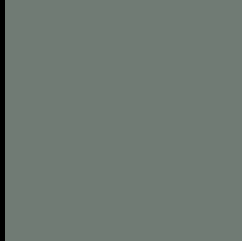
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.9174, 18.8716, 19.2739 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

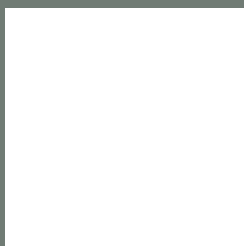
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9174, 18.8716, 19.2739

Background



This preview shows how black text looks on a background with the XYZ color 16.9174, 18.8716, 19.2739.

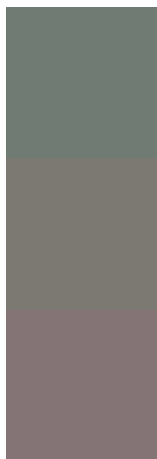


This preview shows how white text looks on a background with the XYZ color 16.9174, 18.8716,

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

16.9174, 18.8716, 19.2739

Protanopia

18.0659, 18.9329, 18.6218

Deuteranopia

19.1291, 18.7617, 19.4428



Tritanopia

17.8061, 18.8639, 23.8217

Trichromacy



Original Color

16.9174, 18.8716, 19.2739

Protanomaly

17.6776, 18.9056, 18.9371

Deuteranomaly

18.2652, 18.8380, 19.5030

Tritanomaly

17.4713, 18.9104, 22.1313

Monochromacy



Original Color

16.9174, 18.8716, 19.2739

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.1889, 18.4540, 19.7956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9174, 18.8716, 19.2739 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(112, 123, 116)` looks like.

```
.text, #text, p{  
    color:rgb(112, 123, 116)  
}
```

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(112, 123, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 123, 116) }
```

Border

The CSS property to change the border of an element to XYZ 16.9174, 18.8716, 19.2739 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(112, 123, 116) }
```


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

```
.border{ border-color:rgb(112, 123, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 123, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 123, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 123, 116);  
box-shadow:4px 4px 4px 4px rgb(112, 123,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9174, 18.8716, 19.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 123, 116) }
```

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

```
.background{ background-color: rgb(112,  
123, 116) }
```

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