

Converting Colors

XYZ(17.7862, 19.3229, 16.5214)

Have a look what the booklet for
XYZ(17.7862, 19.3229, 16.5214)
contains.

XYZ(17.8529, 19.4175, 16.4427)	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(17.8529, 19.4175,
16.4427)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7B6A
RGB	123, 123, 106
RGB Percent	48%, 48%, 42%
CMY	0.5176, 0.5176, 0.5843
CMYK	0.00, 0.00, 0.14, 0.52
HSL	60°, 7%, 45%
HSV	60°, 14%, 48%
XYZ	17.8529, 19.4175, 16.4427
YIQ	121.0620, 5.4570, -5.2870

Conversions

Conversions Part 2

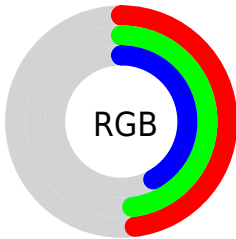
Format	Color
RYB	106, 123, 106
Decimal	8092522
CIELab	51.17, -3.19, 9.31
CIELCh	51, 9.840, 108.901
Yxy	19.4175, 0.3324, 0.3615
Android (android.graphics.Color)	4286282602 (0xFF7B7B6A)
YUV	121.0620, -7.4256, 1.6996
Hunter-Lab	44.0653, -4.7956, 8.7220

Details

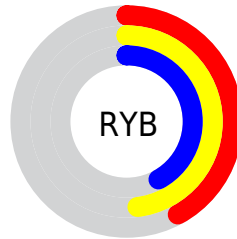
The XYZ color **17.8529, 19.4175, 16.4427** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.6738, 14.8028, 20.8238**, and the grayscale version is **18.2165, 19.1651, 20.8708**.

A 20% lighter version of the original color is **39.3203, 42.3244, 37.9953**, and **6.0622, 6.6692, 5.1054** is the 20% darker color. If you saturate the color by 10%, you get **17.2586, 19.1804, 13.3120**, and if you desaturate by 10%, it is **18.5401, 19.6930, 20.0576**.

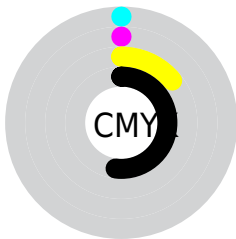
Distribution



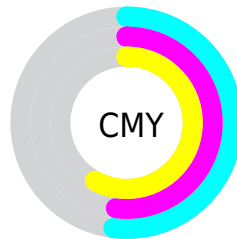
- Red (48%)
- Green (48%)
- Blue (42%)



- Red (42%)
- Yellow (48%)
- Blue (42%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (52%)



- Cyan (52%)
- Magenta (52%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8529, 19.4175, 16.4427 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 17.8529, 19.4175, 16.4427 by changing the saturation by 10% instead.

■ 17.8529, 19.4175,
16.4427

■ 17.8529, 19.4175,
16.4427

233.1023,
248.7440, 243.8743

■ 10.9435, 11.9723,
9.6802

■ 39.3186, 42.4384,
38.1425

■ 6.0959, 6.7248,
5.0846

■ 54.6055, 58.7829,
53.9169

■ 2.9447, 3.2906,
2.2374

■ 73.4157, 78.8627,
73.5323

■ 1.1246, 1.2853,
0.6958

■ 96.1144, 103.0621,
97.4074

■ 0.0455, 0.1298,
0.0000

123.0671,
131.7655, 125.9605

■ 0.0000, 0.0000,
0.0000

154.6391,

165.3574, 159.6104

191.1957,
204.2221, 198.7755

■ 17.8529, 19.4175,
16.4427

■ 17.8529, 19.4175,
16.4427

■ 17.2586, 19.1804,
13.3120

■ 18.5401, 19.6930,
20.0576

■ 16.7516, 18.9776,
10.6437

■ 19.3221, 20.0059,
24.1746

■ 16.3284, 18.8082,
8.4163

■ 20.2031, 20.3583,
28.8125

■ 15.9844, 18.6706,
6.6061

■ 21.1863, 20.7516,
33.9884

■ 15.7147, 18.5627,
5.1871

■ 22.2747, 21.1870,
39.7189

■ 15.5138, 18.4823,
4.1305

■ 23.4715, 21.6658,
46.0197

■ 15.3754, 18.4270,
3.4035

■ 24.7795, 22.1890,
52.9061

■ 15.2915, 18.3933,
2.9625

■ 26.2014, 22.7578,
60.3927

■ 15.2497, 18.3766,
2.7433

■ 27.7400, 23.3733,
68.4934

Harmonies

Analogous

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



18.8204, 19.4175, 16.2827



17.8529, 19.4175, 16.4427



17.0738, 19.4175, 17.7939

Triad

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



17.8529, 19.4175, 16.4427



17.2462, 19.4175, 25.4690



20.3645, 19.4175, 22.1969

Complementary

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



17.8529, 19.4175, 16.4427



14.6738, 14.8028, 20.8238

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.



19.9104, 19.4175, 24.8865



17.8529, 19.4175, 16.4427



18.0959, 19.4175, 26.8838

Square

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



17.8529, 19.4175, 16.4427



16.7321, 19.4175, 22.9365



19.0720, 19.4175, 26.6617



20.2939, 19.4175, 19.4443

Rectangle

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



17.8529, 19.4175, 16.4427



16.7553, 19.4175, 19.2611



19.0720, 19.4175, 26.6617



20.2676, 19.4175, 23.1423

Sweetspot

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



17.8534, 19.4184, 16.4431



33.1625, 35.2488, 35.7256



15.9246, 15.5601, 15.8001



7.7901, 8.2936, 8.3081



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.



17.8534, 19.4184, 16.4431



31.5676, 34.6108, 27.3302



16.6899, 18.8185, 16.3887



4.3077, 4.6339, 4.2919



15.7748, 19.0094, 2.8378



75.2468, 90.6766, 13.5364

Inverse Universe

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



14.6738, 14.8028, 20.8238



24.5635, 24.4436, 36.9801



15.7344, 15.3496, 20.8734



3.7977, 3.8936, 4.9946



3.6987, 1.4795, 19.4759



17.6426, 7.0571, 92.9021

Previews

White Background



This preview shows how the XYZ color 17.8529, 19.4175, 16.4427 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 17.8529, 19.4175, 16.4427 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

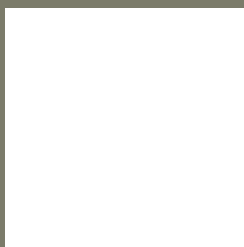
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8529, 19.4175, 16.4427

Background



This preview shows how black text looks on a background with the XYZ color 17.8529, 19.4175, 16.4427.



This preview shows how white text looks on a background with the XYZ color 17.8529, 19.4175,

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

17.8529, 19.4175, 16.4427

Protanopia

18.4114, 19.5282, 16.1635

Deuteranopia

19.6626, 19.2731, 16.5937



Tritanopia

19.2831, 19.4535, 23.5075

Trichromacy



Original Color

17.8529, 19.4175, 16.4427

Protanomaly

18.1135, 19.3746, 16.1496

Deuteranomaly

18.9235, 19.2417, 16.6266

Tritanomaly

18.7460, 19.4152, 20.8486

Monochromacy



Original Color

17.8529, 19.4175, 16.4427

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.1380, 19.3176, 19.2957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8529, 19.4175, 16.4427 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(123, 123, 106)` looks like.

```
.text, #text, p{  
    color:rgb(123, 123, 106)  
}
```

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(123, 123, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 123, 106) }
```

Border

The CSS property to change the border of an element to XYZ 17.8529, 19.4175, 16.4427 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(123, 123, 106) }
```


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

```
.border{ border-color:rgb(123, 123, 106) }
```

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

Here you see how a box with a 4 pixel rgb(123, 123, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 123, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 123, 106);  
box-shadow:4px 4px 4px 4px rgb(123, 123,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8529, 19.4175, 16.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 123, 106) }
```

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

```
.background{ background-color: rgb(123,  
123, 106) }
```

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