

Converting Colors

XYZ(17.8460, 19.8901, 18.1350)

Have a look what the booklet for
XYZ(17.8460, 19.8901, 18.1350)
contains.

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Color

**XYZ(17.8567, 19.9431,
18.2375)**

Conversions

Conversions Part 1

Format	Color
Hex	767E70
RGB	118, 126, 112
RGB Percent	46%, 49%, 44%
CMY	0.5373, 0.5059, 0.5608
CMYK	0.06, 0.00, 0.11, 0.51
HSL	94°, 6%, 47%
HSV	94°, 11%, 49%
XYZ	17.8567, 19.9431, 18.2375
YIQ	122.0120, -0.2740, -6.0500

Conversions

Conversions Part 2

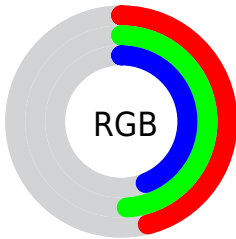
Format	Color
R_{YB}	112, 126, 120
Decimal	7765616
CIE _{Lab}	51.77, -5.76, 6.60
CIE _{LCh}	52, 8.760, 131.081
Yxy	19.9431, 0.3187, 0.3559
Android (android.graphics.Color)	4285955696 (0xFF767E70)
YUV	122.0120, -4.9359, -3.5185
Hunter-Lab	44.6577, -6.7765, 7.0473

Details

The XYZ color **17.8567, 19.9431, 18.2375** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.3066, 17.0883, 22.1259**, and the grayscale version is **18.5187, 19.4831, 21.2171**.

A 20% lighter version of the original color is **39.3985, 43.4666, 41.4353**, and **6.1051, 6.9800, 5.8760** is the 20% darker color. If you saturate the color by 10%, you get **16.2629, 19.1975, 14.7534**, and if you desaturate by 10%, it is **19.6245, 20.7682, 22.2431**.

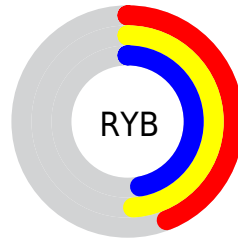
Distribution



Red (46%)

Green (49%)

Blue (44%)



Red (44%)

Yellow (49%)

Blue (47%)

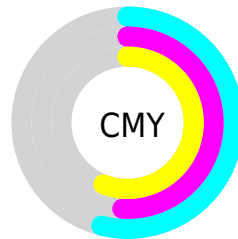


Cyan (6%)

Magenta (0%)

Yellow (11%)

Black (51%)



Cyan (54%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8567, 19.9431, 18.2375 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 17.8567, 19.9431, 18.2375 by changing the saturation by 10% instead.

■ 17.8567, 19.9431,
18.2375

■ 17.8567, 19.9431,
18.2375

233.1233,
251.6069, 254.4872

■ 10.9462, 12.3537,
10.9494

■ 39.3250, 43.3218,
41.2610

■ 6.0977, 6.9850,
5.9191

■ 54.6135, 59.8798,
57.8335

■ 2.9458, 3.4527,
2.7280

■ 73.4254, 80.1962,
78.3379

■ 1.1252, 1.3724,
0.9575

■ 96.1261, 104.6553,
103.1927

■ 0.0460, 0.1963,
0.0000

123.0809,
133.6415, 132.8166

■ 0.0000, 0.0000,
0.0000

154.6551,

167.5393, 167.6279

191.2141,
206.7329, 208.0453

■ 17.8567, 19.9431,
18.2375

■ 17.8567, 19.9431,
18.2375

■ 16.2629, 19.1975,
14.7534

■ 19.6245, 20.7682,
22.2431

■ 14.8358, 18.5264,
11.7682

■ 21.5700, 21.6725,
26.7892

■ 13.5698, 17.9280,
9.2592

■ 23.6990, 22.6593,
31.8952

■ 12.4585, 17.3995,
7.2019

■ 26.0164, 23.7305,
37.5794

■ 11.4948, 16.9378,
5.5692

■ 28.5271, 24.8884,
43.8592

■ 10.6713, 16.5399,
4.3313

■ 31.2355, 26.1349,
50.7511

■ 9.9796, 16.2019,
3.4545

■ 34.1460, 27.4719,
58.2711

■ 9.4100, 15.9200,
2.8996

■ 37.2631, 28.9014,
66.4346

■ 8.9821, 15.7065,
2.5583

■ 40.5907, 30.4250,
75.2565

Harmonies

Analogous

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



18.6295, 19.9431, 17.2659



17.8567, 19.9431, 18.2375



17.3875, 19.9431, 20.1694

Triad

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



17.8567, 19.9431, 18.2375



18.4078, 19.9431, 26.6699



20.6785, 19.9431, 20.7895

Complementary

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



17.8567, 19.9431, 18.2375



17.3066, 17.0883, 22.1259

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.



20.6146, 19.9431, 23.3369



17.8567, 19.9431, 18.2375



19.2849, 19.9431, 26.8685

Square

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



17.8567, 19.9431, 18.2375



17.6988, 19.9431, 25.0845



20.0981, 19.9431, 25.6078



20.2700, 19.9431, 18.6610

Rectangle

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



17.8567, 19.9431, 18.2375



17.3010, 19.9431, 21.8069



20.0981, 19.9431, 25.6078



20.7119, 19.9431, 21.6227

Sweetspot

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



17.8572, 19.9440, 18.2379



33.9082, 36.2596, 37.6968



18.2380, 19.0232, 18.0401



7.6603, 8.2233, 8.4546



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.



17.8572, 19.9440, 18.2379



30.7904, 34.8045, 30.6800



17.1204, 19.5581, 18.4762



4.4372, 4.9018, 4.6324



9.2096, 16.1101, 2.6242



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.3066, 17.0883, 22.1259



29.6466, 28.8735, 38.7550



18.1050, 17.5069, 21.8503



4.3256, 4.3235, 5.4198



6.6011, 2.9567, 20.4727



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 17.8567, 19.9431, 18.2375 looks on a white background.

Color Contrast Check

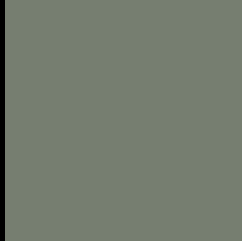
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8567, 19.9431, 18.2375 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

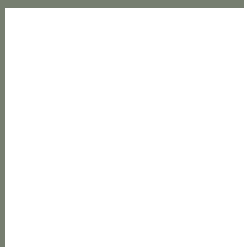
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8567, 19.9431, 18.2375

Background



This preview shows how black text looks on a background with the XYZ color 17.8567, 19.9431, 18.2375.

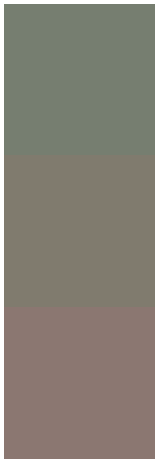


This preview shows how white text looks on a background with the XYZ color 17.8567, 19.9431,

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

17.8567, 19.9431, 18.2375

Protanopia

18.7995, 19.8809, 17.5984

Deuteranopia

20.2249, 19.8749, 18.3930



Tritanopia

19.2018, 19.9243, 25.0240

Trichromacy



Original Color

17.8567, 19.9431, 18.2375

Protanomaly

18.3891, 19.8481, 17.9008

Deuteranomaly

19.3002, 19.9366, 18.4537

Tritanomaly

18.6551, 19.8890, 22.2578

Monochromacy



Original Color

17.8567, 19.9431, 18.2375

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

18.2381, 19.5389, 19.9497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8567, 19.9431, 18.2375 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(118, 126, 112)` looks like.

```
.text, #text, p{  
    color:rgb(118, 126, 112)  
}
```

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(118, 126, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 126, 112) }
```

Border

The CSS property to change the border of an element to XYZ 17.8567, 19.9431, 18.2375 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(118, 126, 112) }
```


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

```
.border{ border-color:rgb(118, 126, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 126, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 126, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 126, 112);  
box-shadow:4px 4px 4px 4px rgb(118, 126,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8567, 19.9431, 18.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 126, 112) }
```

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

```
.background{ background-color: rgb(118,  
126, 112) }
```

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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