

Converting Colors

XYZ(17.8266, 19.3450, 21.4002)

Have a look what the booklet for
XYZ(17.8266, 19.3450, 21.4002)
contains.

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Color

**XYZ(17.8606, 19.3090,
21.5245)**

Conversions

Conversions Part 1

Format	Color
Hex	747B7B
RGB	116, 123, 123
RGB Percent	45%, 48%, 48%
CMY	0.5451, 0.5176, 0.5176
CMYK	0.06, 0.00, 0.00, 0.52
HSL	180°, 3%, 47%
HSV	180°, 6%, 48%
XYZ	17.8606, 19.3090, 21.5245
YIQ	120.9070, -4.1720, -1.4840

Conversions

Conversions Part 2

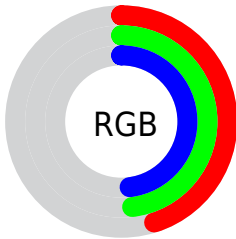
Format	Color
R_{YB}	116, 120, 123
Decimal	7633787
CIE _{Lab}	51.05, -2.61, -0.91
CIE _{LCh}	51, 2.760, 199.243
Yxy	19.3090, 0.3043, 0.3290
Android (android.graphics.Color)	4285823867 (0xFF747B7B)
YUV	120.9070, 1.0318, -4.3034
Hunter-Lab	43.9420, -4.3457, 1.7169

Details

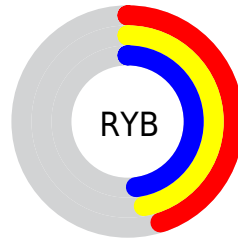
The XYZ color **17.8606, 19.3090, 21.5245** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.5669, 17.9633, 19.0654**, and the grayscale version is **18.1421, 19.0869, 20.7857**.

A 20% lighter version of the original color is **39.2163, 42.0799, 46.6128**, and **6.0687, 6.6209, 7.4367** is the 20% darker color. If you saturate the color by 10%, you get **16.3326, 18.5218, 21.4521**, and if you desaturate by 10%, it is **19.6063, 20.2094, 21.6078**.

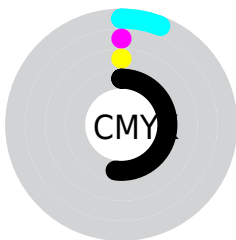
Distribution



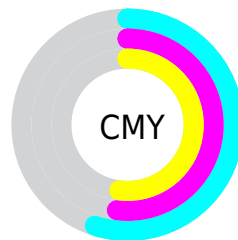
- Red (45%)
- Green (48%)
- Blue (48%)



- Red (45%)
- Yellow (47%)
- Blue (48%)



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.8606, 19.3090, 21.5245 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 17.8606, 19.3090, 21.5245 by changing the saturation by 10% instead.

■ 17.8606, 19.3090,
21.5245

■ 17.8606, 19.3090,
21.5245

233.1450,
248.1493, 272.9250

■ 10.9490, 11.8938,
13.3130

■ 39.3316, 42.2556,
46.8509

■ 6.0996, 6.6714,
7.5112

■ 54.6217, 58.5557,
64.8028

■ 2.9470, 3.2574,
3.7005

■ 73.4354, 78.5863,
86.8387

■ 1.1258, 1.2676,
1.4625

96.1381, 102.7317,
113.3769

■ 0.0465, 0.1159,
0.1898

123.0950,
131.3763, 144.8361

■ 0.0000, 0.0000,
0.0000

154.6715,

164.9045, 181.6348

191.2331,
203.7007, 224.1916

■ 17.8606, 19.3090,
21.5245

■ 17.8606, 19.3090,
21.5245

■ 16.3326, 18.5218,
21.4521

■ 19.6063, 20.2094,
21.6078

■ 15.0120, 17.8411,
21.3891

■ 21.5759, 21.2248,
21.7013

■ 13.8906, 17.2630,
21.3353

■ 23.7777, 22.3598,
21.8056

■ 12.9586, 16.7826,
21.2905

■ 26.2187, 23.6182,
21.9211

■ 12.2056, 16.3944,
21.2540

■ 28.9059, 25.0035,
22.0481

■ 11.6201, 16.0926,
21.2253

■ 31.8460, 26.5191,
22.1869

■ 11.1893, 15.8706,
21.2039

■ 35.0453, 28.1684,
22.3379

■ 10.8986, 15.7207,
21.1891

■ 38.5100, 29.9544,
22.5013

■ 10.7227, 15.6301,
21.1796

■ 42.2459, 31.8804,
22.6774

Harmonies

Analogous

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



17.8408, 19.3090, 20.7444



17.8606, 19.3090, 21.5245



18.0114, 19.3090, 22.1858

Triad

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



17.8606, 19.3090, 21.5245



18.7539, 19.3090, 22.0229



18.4509, 19.3090, 19.5791

Complementary

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



17.8606, 19.3090, 21.5245



17.5669, 17.9633, 19.0654

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.



18.6981, 19.3090, 19.9039



17.8606, 19.3090, 21.5245



18.8741, 19.3090, 21.3066

Square

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



17.8606, 19.3090, 21.5245



18.5265, 19.3090, 22.4784



18.8536, 19.3090, 20.5317



18.1799, 19.3090, 19.6341

Rectangle

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



17.8606, 19.3090, 21.5245



18.1669, 19.3090, 22.4642



18.8536, 19.3090, 20.5317



18.5396, 19.3090, 19.6471

Sweetspot

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



17.8612, 19.3098, 21.5249



33.0759, 35.1406, 38.5957



17.4539, 19.1487, 19.2995



7.8006, 8.2816, 9.0903



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.



17.8612, 19.3098, 21.5249



31.5540, 34.3560, 38.5233



17.4487, 18.4847, 21.3881



4.1750, 4.5475, 5.1007



11.0233, 16.1330, 21.9052



52.5815, 76.9556, 104.4868

Inverse Universe

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



17.5669, 17.9633, 19.0654



30.8965, 31.3469, 33.0270



17.9640, 18.7577, 19.1972



4.0871, 4.1449, 4.3653



8.4504, 4.3563, 0.3966



40.3085, 20.7797, 1.8887

Previews

White Background



This preview shows how the XYZ color 17.8606, 19.3090, 21.5245 looks on a white background.

Color Contrast Check

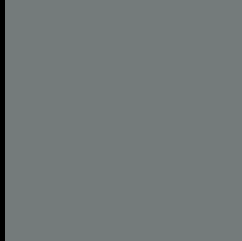
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8606, 19.3090, 21.5245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

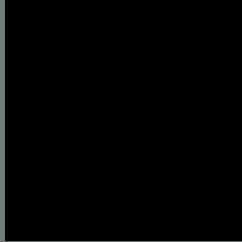
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

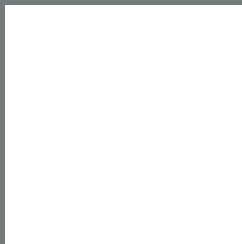
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.8606, 19.3090, 21.5245

Background



This preview shows how black text looks on a background with the XYZ color 17.8606, 19.3090, 21.5245.



This preview shows how white text looks on a background with the XYZ color 17.8606, 19.3090,

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

17.8606, 19.3090, 21.5245

Protanopia

18.5186, 19.2908, 21.1598

Deuteranopia

19.6322, 19.3176, 21.7627



Tritanopia

18.3924, 19.3397, 24.2363

Trichromacy



Original Color

17.8606, 19.3090, 21.5245

Protanomaly

18.2181, 19.3173, 21.1808

Deuteranomaly

18.9587, 19.3238, 21.7994

Tritanomaly

18.1919, 19.2595, 23.1807

Monochromacy



Original Color

17.8606, 19.3090, 21.5245

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0801, 19.2461, 21.1743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8606, 19.3090, 21.5245 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(116, 123, 123)` looks like.

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

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

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

Border

The CSS property to change the border of an element to XYZ 17.8606, 19.3090, 21.5245 is called "border". The border property can be set on classes, ids or directly on the HTML element.

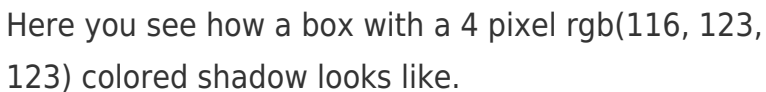
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 123, 123) }
```


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

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

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



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

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

Background

The CSS property to change the background color of an element to XYZ 17.8606, 19.3090, 21.5245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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

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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