

Converting Colors

XYZ(17.7235, 19.0395, 21.2834)

Have a look what the booklet for
XYZ(17.7235, 19.0395, 21.2834)
contains.

XYZ(17.6748, 19.0372, 21.1553)	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(17.6748, 19.0372,
21.1553)**

Conversions

Conversions Part 1

Format	Color
Hex	747A7A
RGB	116, 122, 122
RGB Percent	45%, 48%, 48%
CMY	0.5451, 0.5216, 0.5216
CMYK	0.05, 0.00, 0.00, 0.52
HSL	180°, 3%, 47%
HSV	180°, 5%, 48%
XYZ	17.6748, 19.0372, 21.1553
YIQ	120.2060, -3.5760, -1.2720

Conversions

Conversions Part 2

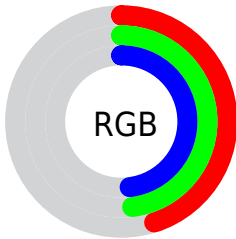
Format	Color
R _Y B	116, 119, 122
Decimal	7633530
CIE Lab	50.73, -2.24, -0.78
CIE LCh	51, 2.374, 199.305
Yxy	19.0372, 0.3054, 0.3290
Android (android.graphics.Color)	4285823610 (0xFF747A7A)
YUV	120.2060, 0.8844, -3.6887
Hunter-Lab	43.6316, -4.0466, 1.7947

Details

The XYZ color **17.6748, 19.0372, 21.1553** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.4245, 17.8897, 19.0586**, and the grayscale version is **17.9170, 18.8501, 20.5278**.

A 20% lighter version of the original color is **38.9245, 41.6529, 46.0327**, and **5.9690, 6.4751, 7.2385** is the 20% darker color. If you saturate the color by 10%, you get **16.1583, 18.2560, 21.0833**, and if you desaturate by 10%, it is **19.4054, 19.9299, 21.2381**.

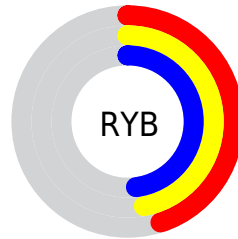
Distribution



Red (45%)

Green (48%)

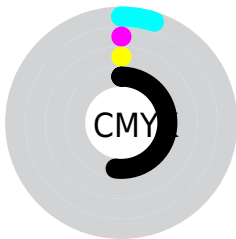
Blue (48%)



Red (45%)

Yellow (47%)

Blue (48%)

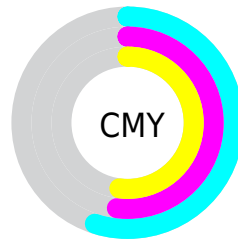


Cyan (5%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6748, 19.0372, 21.1553 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 17.6748, 19.0372, 21.1553 by changing the saturation by 10% instead.

■ 17.6748, 19.0372,
21.1553

■ 17.6748, 19.0372,
21.1553

232.1128,
246.6541, 270.9108

■ 10.8150, 11.6972,
13.0452

■ 39.0168, 41.7969,
46.2300

■ 6.0090, 6.5378,
7.3286

■ 54.2298, 57.9854,
64.0317

■ 2.8912, 3.1748,
3.5869

■ 72.9580, 77.8922,
85.9010

■ 1.0965, 1.2236,
1.4016

95.5666, 101.9017,
112.2565

■ 0.0222, 0.0809,
0.1429

122.4210,
130.3982, 143.5167

■ 0.0000, 0.0000,
0.0000

153.8866,

163.7662, 180.1001

190.3288,
202.3900, 222.4253

■ 17.6748, 19.0372,
21.1553

■ 17.6748, 19.0372,
21.1553

■ 16.1583, 18.2560,
21.0833

■ 19.4054, 19.9299,
21.2381

■ 14.8460, 17.5795,
21.0204

■ 21.3563, 20.9356,
21.3309

■ 13.7298, 17.0041,
20.9667

■ 23.5354, 22.0589,
21.4343

■ 12.8001, 16.5249,
20.9217

■ 25.9498, 23.3035,
21.5488

■ 12.0469, 16.1366,
20.8850

■ 28.6061, 24.6729,
21.6746

■ 11.4590, 15.8335,
20.8561

■ 31.5110, 26.1704,
21.8120

■ 11.0239, 15.6093,
20.8342

■ 34.6706, 27.7991,
21.9613

■ 10.7275, 15.4565,
20.8189

■ 38.0909, 29.5623,
22.1228

■ 10.5479, 15.3640,
20.8090

■ 41.7777, 31.4629,
22.2968

Harmonies

Analogous

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



17.6577, 19.0372, 20.4911



17.6748, 19.0372, 21.1553



17.8038, 19.0372, 21.7163

Triad

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



17.6748, 19.0372, 21.1553



18.4361, 19.0372, 21.5761



18.1775, 19.0372, 19.4930

Complementary

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



17.6748, 19.0372, 21.1553



17.4245, 17.8897, 19.0586

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.



18.3879, 19.0372, 19.7707



17.6748, 19.0372, 21.1553



18.5380, 19.0372, 20.9673

Square

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



17.6748, 19.0372, 21.1553



18.2428, 19.0372, 21.9628



18.5204, 19.0372, 20.3070



17.9466, 19.0372, 19.5409

Rectangle

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



17.6748, 19.0372, 21.1553



17.9364, 19.0372, 21.9517



18.5204, 19.0372, 20.3070



18.2531, 19.0372, 19.5511

Sweetspot

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



17.6753, 19.0380, 21.1557



32.2350, 34.0797, 37.2717



17.3282, 18.9007, 19.2581



7.3759, 7.7951, 8.5225



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



17.6753, 19.0380, 21.1557



30.7479, 33.3131, 37.2008



17.3245, 18.3362, 21.0395



4.2097, 4.5653, 5.1023



11.0228, 16.1328, 21.9028



52.5792, 76.9547, 104.4747

Inverse Universe

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



17.4245, 17.8897, 19.0586



30.2010, 30.8099, 32.6291



17.7640, 18.5690, 19.1711



4.1322, 4.2110, 4.4551



8.4504, 4.3563, 0.3968



40.3086, 20.7798, 1.8891

Previews

White Background



This preview shows how the XYZ color 17.6748, 19.0372, 21.1553 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 17.6748, 19.0372, 21.1553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

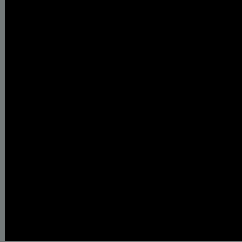
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

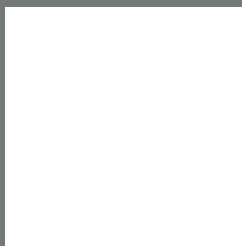
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6748, 19.0372, 21.1553

Background



This preview shows how black text looks on a background with the XYZ color 17.6748, 19.0372, 21.1553.



This preview shows how white text looks on a background with the XYZ color 17.6748, 19.0372,

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

17.6748, 19.0372, 21.1553

Protanopia

18.3360, 19.0244, 20.7948

Deuteranopia

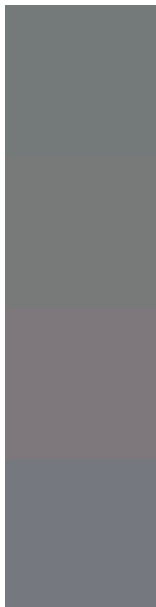
19.2965, 18.9779, 21.3850



Tritanopia

18.2028, 19.0684, 23.8403

Trichromacy



Original Color

17.6748, 19.0372, 21.1553

Protanomaly

18.0343, 19.0483, 20.8153

Deuteranomaly

18.7762, 19.0593, 21.4281

Tritanomaly

18.0043, 18.9890, 22.7950

Monochromacy



Original Color

17.6748, 19.0372, 21.1553

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.8963, 18.9772, 20.8089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6748, 19.0372, 21.1553 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, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 122, 122)  
}
```

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, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 17.6748, 19.0372, 21.1553 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, 122, 122) }
```


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

```
.border{ border-color:rgb(116, 122, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(116, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6748, 19.0372, 21.1553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 122, 122) }
```

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

```
.background{ background-color: rgb(116,  
122, 122) }
```

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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