

Converting Colors

XYZ(17.7663, 18.9783, 21.2332)

Have a look what the booklet for
XYZ(17.7663, 18.9783, 21.2332)
contains.

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Color

**XYZ(17.6863, 18.8618,
21.1209)**

Conversions

Conversions Part 1

Format	Color
Hex	75797A
RGB	117, 121, 122
RGB Percent	46%, 47%, 48%
CMY	0.5412, 0.5255, 0.5216
CMYK	0.04, 0.01, 0.00, 0.52
HSL	192°, 2%, 47%
HSV	192°, 4%, 48%
XYZ	17.6863, 18.8618, 21.1209
YIQ	119.9180, -2.7050, -0.5370

Conversions

Conversions Part 2

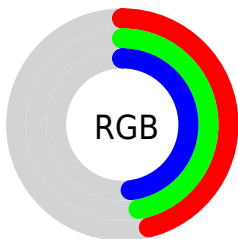
Format	Color
R_{YB}	117, 119, 122
Decimal	7698810
CIE Lab	50.53, -1.29, -1.08
CIE LCh	51, 1.682, 219.793
Yxy	18.8618, 0.3067, 0.3271
Android (android.graphics.Color)	4285888890 (0xFF75797A)
YUV	119.9180, 1.0264, -2.5591
Hunter-Lab	43.4302, -3.3113, 1.5673

Details

The XYZ color **17.6863, 18.8618, 21.1209** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7153, 18.3785, 19.4435**, and the grayscale version is **17.8243, 18.7525, 20.4215**.

A 20% lighter version of the original color is **38.9457, 41.3781, 45.9785**, and **6.0394, 6.5113, 7.2418** is the 20% darker color. If you saturate the color by 10%, you get **15.8608, 17.4875, 20.9521**, and if you desaturate by 10%, it is **19.7340, 20.3628, 21.3030**.

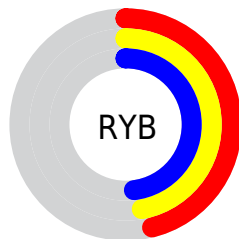
Distribution



Red (46%)

Green (47%)

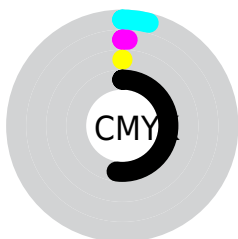
Blue (48%)



Red (46%)

Yellow (47%)

Blue (48%)

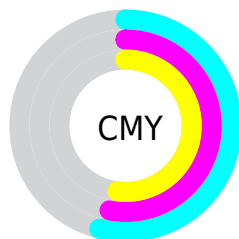


Cyan (4%)

Magenta (1%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (53%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.6863, 18.8618, 21.1209 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 17.6863, 18.8618, 21.1209 by changing the saturation by 10% instead.

■ 17.6863, 18.8618,
21.1209

■ 17.6863, 18.8618,
21.1209

232.1768,
245.6848, 270.7224

■ 10.8233, 11.5705,
13.0203

■ 39.0363, 41.5004,
46.1721

■ 6.0146, 6.4519,
7.3116

■ 54.2541, 57.6165,
63.9597

■ 2.8947, 3.1218,
3.5764

■ 72.9876, 77.4430,
85.8134

■ 1.0983, 1.1956,
1.3959

95.6020, 101.3642,
112.1518

■ 0.0237, 0.0581,
0.1385

122.4628,
129.7646, 143.3933

■ 0.0000, 0.0000,
0.0000

153.9353,

163.0286, 179.9566

190.3848,
201.5405, 222.2601

■ 17.6863, 18.8618,
21.1209

■ 17.6863, 18.8618,
21.1209

■ 15.8608, 17.4875,
20.9521

■ 19.7340, 20.3628,
21.3030

■ 14.2476, 16.2332,
20.7951

■ 22.0102, 21.9921,
21.4975

■ 12.8386, 15.0951,
20.6496

■ 24.5227, 23.7545,
21.7053

■ 11.6242, 14.0681,
20.5154

■ 27.2786, 25.6538,
21.9266

■ 10.5944, 13.1471,
20.3919

■ 30.2848, 27.6934,
22.1619

■ 9.7380, 12.3261,
20.2786

■ 33.5477, 29.8769,
22.4113

■ 9.0427, 11.5988,
20.1749

■ 37.0736, 32.2075,
22.6753

■ 8.4944, 10.9577,
20.0800

■ 40.8685, 34.6884,
22.9542

■ 8.0736, 10.3929,
19.9932

■ 44.9383, 37.3228,
23.2482

Harmonies

Analogous

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



17.6185, 18.8618, 20.6913



17.6863, 18.8618, 21.1209



17.8188, 18.8618, 21.3968

Triad

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



17.6863, 18.8618, 21.1209



18.2252, 18.8618, 20.8509



17.8740, 18.8618, 19.6599

Complementary

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



17.6863, 18.8618, 21.1209



17.7153, 18.3785, 19.4435

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.



18.0368, 18.8618, 19.7011



17.6863, 18.8618, 21.1209



18.2402, 18.8618, 20.3840

Square

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



17.6863, 18.8618, 21.1209



18.1302, 18.8618, 21.2393



18.1710, 18.8618, 19.9645



17.7265, 18.8618, 19.8510

Rectangle

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



17.6863, 18.8618, 21.1209



17.9264, 18.8618, 21.4540



18.1710, 18.8618, 19.9645



17.9287, 18.8618, 19.6471

Sweetspot

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



17.6868, 18.8626, 21.1213



32.1813, 33.9721, 37.2540



17.5609, 19.0073, 19.8570



7.3645, 7.7724, 8.5187



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.



17.6868, 18.8626, 21.1213



30.7701, 32.9273, 37.1267



17.3965, 18.2819, 21.0245



4.2058, 4.5054, 5.0911



8.2572, 10.5969, 20.9955



38.7800, 49.3327, 99.9480

Inverse Universe

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



17.8389, 18.2409, 20.6708



31.1028, 31.5723, 36.1398



18.0039, 18.9556, 19.5396



4.2542, 4.3084, 4.9474



10.7512, 5.2766, 12.5126



50.9775, 25.0473, 58.0709

Previews

White Background



This preview shows how the XYZ color 17.6863, 18.8618, 21.1209 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 17.6863, 18.8618, 21.1209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

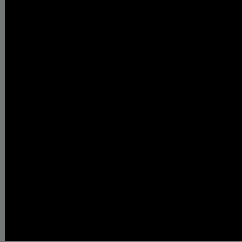
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

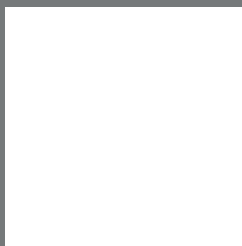
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.6863, 18.8618, 21.1209

Background



This preview shows how black text looks on a background with the XYZ color 17.6863, 18.8618, 21.1209.



This preview shows how white text looks on a background with the XYZ color 17.6863, 18.8618,

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

17.6863, 18.8618, 21.1209

Protanopia

18.1937, 18.9510, 20.7882

Deuteranopia

19.0265, 18.6667, 21.3391



Tritanopia

18.1501, 18.8695, 23.4544

Trichromacy

**Original Color**

17.6863, 18.8618, 21.1209

Protanomaly

17.9134, 18.8065, 20.7750

Deuteranomaly

18.5110, 18.7469, 21.3818

Tritanomaly

17.9536, 18.7909, 22.4194

Monochromacy

**Original Color**

17.6863, 18.8618, 21.1209

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

17.7754, 18.7354, 20.7686

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.6863, 18.8618, 21.1209 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(117, 121, 122)` looks like.

```
.text, #text, p{  
    color:rgb(117, 121, 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(117, 121, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 121, 122) }
```

Border

The CSS property to change the border of an element to XYZ 17.6863, 18.8618, 21.1209 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(117, 121, 122) }
```


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

```
.border{ border-color:rgb(117, 121, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 121, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 121, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 121, 122);  
box-shadow:4px 4px 4px 4px rgb(117, 121,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 17.6863, 18.8618, 21.1209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 121, 122) }
```

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

```
.background{ background-color: rgb(117,  
121, 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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