

Converting Colors

XYZ(18.0003, 19.2777, 21.2229)

Have a look what the booklet for
XYZ(18.0003, 19.2777, 21.2229)
contains.

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Color

**XYZ(17.9436, 19.1758,
21.1679)**

Conversions

Conversions Part 1

Format	Color
Hex	767A7A
RGB	118, 122, 122
RGB Percent	46%, 48%, 48%
CMY	0.5373, 0.5216, 0.5216
CMYK	0.03, 0.00, 0.00, 0.52
HSL	180°, 2%, 47%
HSV	180°, 3%, 48%
XYZ	17.9436, 19.1758, 21.1679
YIQ	120.8040, -2.3840, -0.8480

Conversions

Conversions Part 2

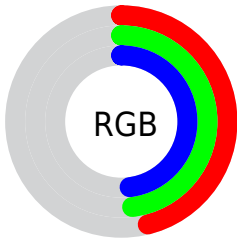
Format	Color
R_{YB}	118, 120, 122
Decimal	7764602
CIE Lab	50.89, -1.50, -0.53
CIE LCh	51, 1.588, 199.467
Yxy	19.1758, 0.3078, 0.3290
Android (android.graphics.Color)	4285954682 (0xFF767A7A)
YUV	120.8040, 0.5896, -2.4591
Hunter-Lab	43.7902, -3.4901, 1.9927

Details

The XYZ color **17.9436, 19.1758, 21.1679** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.7752, 18.4029, 19.7558**, and the grayscale version is **18.1099, 19.0530, 20.7487**.

A 20% lighter version of the original color is **39.3536, 41.8741, 46.0528**, and **6.1109, 6.5482, 7.2452** is the 20% darker color. If you saturate the color by 10%, you get **16.3925, 18.3768, 21.0934**, and if you desaturate by 10%, it is **19.7101, 20.0869, 21.2533**.

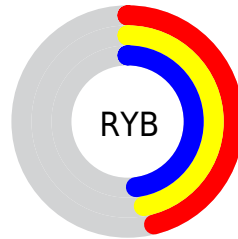
Distribution



Red (46%)

Green (48%)

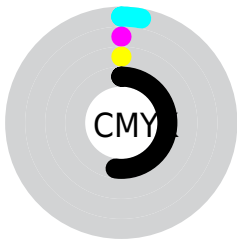
Blue (48%)



Red (46%)

Yellow (47%)

Blue (48%)

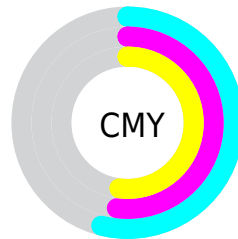


Cyan (3%)

Magenta (0%)

Yellow (0%)

Black (52%)



Cyan (54%)

Magenta (52%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9436, 19.1758, 21.1679 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 17.9436, 19.1758, 21.1679 by changing the saturation by 10% instead.

■ 17.9436, 19.1758,
21.1679

■ 17.9436, 19.1758,
21.1679

233.6047,
247.4176, 270.9797

■ 11.0089, 11.7974,
13.0543

■ 39.4720, 42.0309,
46.2512

■ 6.1402, 6.6059,
7.3348

■ 54.7965, 58.2765,
64.0581

■ 2.9720, 3.2169,
3.5908

■ 73.6483, 78.2465,
85.9331

■ 1.1390, 1.2460,
1.4036

96.3928, 102.3253,
112.2948

■ 0.0573, 0.0988,
0.1445

123.3954,
130.8975, 143.5618

■ 0.0000, 0.0000,
0.0000

155.0213,

164.3473, 180.1526

191.6359,
203.0592, 222.4857

■ 17.9436, 19.1758,
21.1679

■ 17.9436, 19.1758,
21.1679

■ 16.3925, 18.3768,
21.0934

■ 19.7101, 20.0869,
21.2533

■ 15.0471, 17.6833,
21.0281

■ 21.6981, 21.1117,
21.3487

■ 13.8992, 17.0915,
20.9720

■ 23.9154, 22.2548,
21.4548

■ 12.9395, 16.5968,
20.9248

■ 26.3692, 23.5197,
21.5720

■ 12.1579, 16.1939,
20.8858

■ 29.0660, 24.9099,
21.7005

■ 11.5435, 15.8773,
20.8548

■ 32.0124, 26.4288,
21.8407

■ 11.0841, 15.6405,
20.8309

■ 35.2145, 28.0794,
21.9929

■ 10.7659, 15.4765,
20.8137

■ 38.6782, 29.8650,
22.1574

■ 10.5714, 15.3763,
20.8023

■ 42.4095, 31.7885,
22.3343

Harmonies

Analogous

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



17.9316, 19.1758, 20.7219



17.9436, 19.1758, 21.1679



18.0310, 19.1758, 21.5415

Triad

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



17.9436, 19.1758, 21.1679



18.4558, 19.1758, 21.4446



18.2811, 19.1758, 20.0428

Complementary

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



17.9436, 19.1758, 21.1679



17.7752, 18.4029, 19.7558

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.



18.4224, 19.1758, 20.2306



17.9436, 19.1758, 21.1679



18.5237, 19.1758, 21.0372

Square

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



17.9436, 19.1758, 21.1679



18.3266, 19.1758, 21.7028



18.5114, 19.1758, 20.5931



18.1259, 19.1758, 20.0766

Rectangle

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



17.9436, 19.1758, 21.1679



18.1206, 19.1758, 21.6972



18.5114, 19.1758, 20.5931



18.3318, 19.1758, 20.0820

Sweetspot

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



17.9441, 19.1766, 21.1683



32.2350, 34.0797, 37.2716



17.7104, 19.0842, 19.8900



7.3759, 7.7951, 8.5224



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.



17.9441, 19.1766, 21.1683



31.3308, 33.6136, 37.2280



17.7091, 18.7063, 21.0907



4.2802, 4.6017, 5.1055



11.0210, 16.1321, 21.8935



52.5703, 76.9511, 104.4277

Inverse Universe

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



17.7752, 18.4029, 19.7558



30.9616, 31.9229, 34.1411



18.0052, 18.8632, 19.8318



4.2243, 4.3456, 4.6381



8.4506, 4.3564, 0.3976



40.3089, 20.7799, 1.8907

Previews

White Background



This preview shows how the XYZ color 17.9436, 19.1758, 21.1679 looks on a white background.

Color Contrast Check

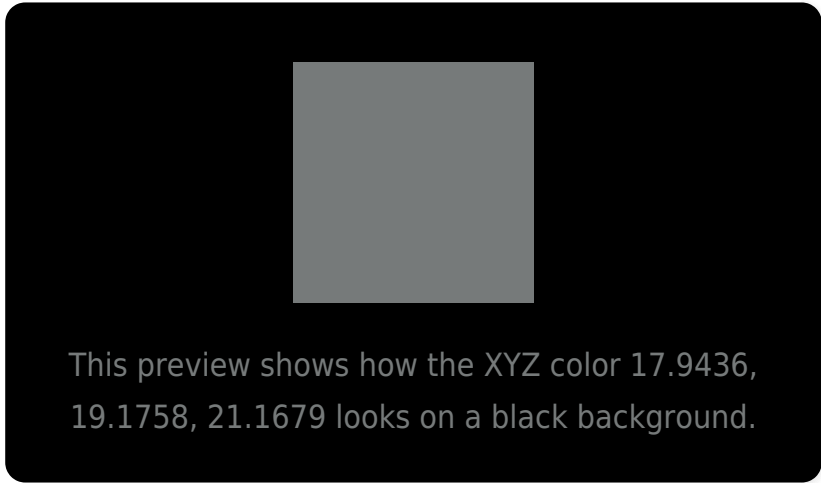
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

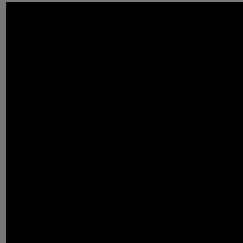
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 17.9436, 19.1758, 21.1679

Background



This preview shows how black text looks on a background with the XYZ color 17.9436, 19.1758, 21.1679.



This preview shows how white text looks on a background with the XYZ color 17.9436, 19.1758,

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

17.9436, 19.1758, 21.1679

Protanopia

18.3360, 19.0244, 20.7948

Deuteranopia

19.4522, 19.0582, 21.3922



Tritanopia

18.4744, 19.2084, 23.8530

Trichromacy



Original Color

17.9436, 19.1758, 21.1679

Protanomaly

18.1737, 19.1202, 20.8219

Deuteranomaly

18.9244, 19.1357, 21.4350

Tritanomaly

18.2759, 19.1290, 22.8077

Monochromacy



Original Color

17.9436, 19.1758, 21.1679

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

18.0343, 19.0483, 20.8153

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9436, 19.1758, 21.1679 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, 122, 122)` looks like.

```
.text, #text, p{  
    color:rgb(118, 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(118, 122, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 122) }
```

Border

The CSS property to change the border of an element to XYZ 17.9436, 19.1758, 21.1679 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, 122, 122) }
```


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

```
.border{ border-color:rgb(118, 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(118, 122, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 122);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9436, 19.1758, 21.1679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 122) }
```

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

```
.background{ background-color: rgb(118,  
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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