

Converting Colors

XYZ(17.8587, 18.4526, 21.2270)

Have a look what the booklet for
XYZ(17.8587, 18.4526, 21.2270)
contains.

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Color

**XYZ(17.7993, 18.3800,
21.3485)**

Conversions

Conversions Part 1

Format	Color
Hex	78767B
RGB	120, 118, 123
RGB Percent	47%, 46%, 48%
CMY	0.5294, 0.5372, 0.5176
CMYK	0.02, 0.04, 0.00, 0.52
HSL	264°, 2%, 47%
HSV	264°, 4%, 48%
XYZ	17.7993, 18.3800, 21.3485
YIQ	119.1680, -0.4130, 1.9790

Conversions

Conversions Part 2

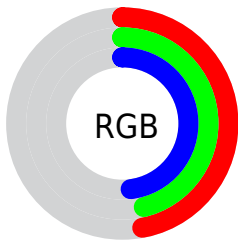
Format	Color
R_{YB}	120, 118, 123
Decimal	7894651
CIE Lab	49.95, 1.78, -2.48
CIE LCh	50, 3.048, 305.670
Yxy	18.3800, 0.3094, 0.3195
Android (android.graphics.Color)	4286084731 (0xFF78767B)
YUV	119.1680, 1.8892, 0.7297
Hunter-Lab	42.8719, -0.9173, 0.4863

Details

The XYZ color **17.7993, 18.3800, 21.3485** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.2389, 19.5394, 19.9507**, and the grayscale version is **17.5825, 18.4982, 20.1445**.

A 20% lighter version of the original color is **39.1258, 40.6153, 46.3348**, and **6.0987, 6.2524, 7.3640** is the 20% darker color. If you saturate the color by 10%, you get **15.4596, 15.1624, 20.8510**, and if you desaturate by 10%, it is **20.4080, 22.0177, 21.9134**.

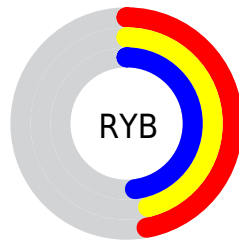
Distribution



Red (47%)

Green (46%)

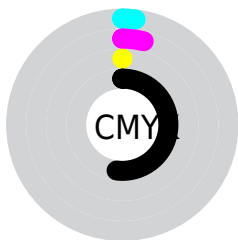
Blue (48%)



Red (47%)

Yellow (46%)

Blue (48%)

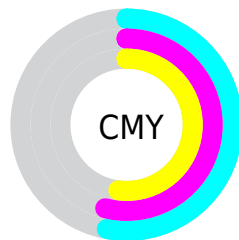


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (52%)



Cyan (53%)

Magenta (54%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7993, 18.3800, 21.3485 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 17.7993, 18.3800, 21.3485 by changing the saturation by 10% instead.

■ 17.7993, 18.3800,
21.3485

■ 17.7993, 18.3800,
21.3485

232.8049,
243.0043, 271.9664

■ 10.9048, 11.2232,
13.1853

■ 39.2278, 40.6838,
46.5551

■ 6.0697, 6.2171,
7.4240

■ 54.4925, 56.5995,
64.4356

■ 2.9286, 2.9776,
3.6462

■ 73.2780, 76.2036,
86.3922

■ 1.1161, 1.1200,
1.4333

95.9497, 99.8806,
112.8435

■ 0.0385, 0.0000,
0.1675

122.8729,
128.0147, 144.2080

■ 0.0000, 0.0000,
0.0000

154.4129,

160.9904, 180.9043

190.9351,
199.1922, 223.3510

■ 17.7993, 18.3800,
21.3485

■ 17.7993, 18.3800,
21.3485

■ 15.4596, 15.1624,
20.8510

■ 20.4080, 22.0177,
21.9134

■ 13.3781, 12.3471,
20.4173

■ 23.2926, 26.0878,
22.5470

■ 11.5461, 9.9185,
20.0451

■ 26.4619, 30.6048,
23.2518

■ 9.9531, 7.8592,
19.7316

■ 29.9236, 35.5822,
24.0301

■ 8.5884, 6.1501,
19.4736

■ 33.6853, 41.0325,
24.8839

7.4400, 4.7707,
19.2679

37.7543, 46.9680,
25.8151

6.4950, 3.6981,
19.1107

42.1374, 53.4004,
26.8256

5.7386, 2.9064,
18.9977

46.8414, 60.3411,
27.9174

5.1516, 2.3604,
18.9233

51.8730, 67.8011,
29.0921

Harmonies

Analogous

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



17.5252, 18.3800, 21.6569



17.7993, 18.3800, 21.3485



17.9866, 18.3800, 20.6829

Triad

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



17.7993, 18.3800, 21.3485



17.7021, 18.3800, 18.5821



16.9165, 18.3800, 20.1721

Complementary

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



17.7993, 18.3800, 21.3485



18.2389, 19.5394, 19.9507

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.



16.9627, 18.3800, 19.3571



17.7993, 18.3800, 21.3485



17.4142, 18.3800, 18.4539

Square

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



17.7993, 18.3800, 21.3485



17.9300, 18.3800, 19.0890



17.1441, 18.3800, 18.7338



17.0172, 18.3800, 20.9657

Rectangle

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



17.7993, 18.3800, 21.3485



18.0359, 18.3800, 20.1344



17.1441, 18.3800, 18.7338



16.9154, 18.3800, 19.8915

Sweetspot

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



17.7998, 18.3808, 21.3489



33.2422, 34.8133, 38.5242



17.8946, 18.9773, 21.4590



7.8370, 8.2101, 9.0747



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.



17.7998, 18.3808, 21.3489



31.4080, 32.2691, 38.1298



18.1393, 18.5558, 21.3648



4.1404, 4.2475, 5.0448



5.0110, 2.1560, 19.5373



22.9982, 9.8180, 93.1527

Inverse Universe

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



18.0987, 18.5492, 20.7167



32.0796, 32.6476, 36.7062



17.9043, 19.3670, 19.9350



4.2347, 4.3006, 4.8449



9.7204, 4.8643, 7.0846



45.9384, 23.0317, 31.5355

Previews

White Background



This preview shows how the XYZ color 17.7993, 18.3800, 21.3485 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 17.7993, 18.3800, 21.3485 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 17.7993, 18.3800, 21.3485

Background



This preview shows how black text looks on a background with the XYZ color 17.7993, 18.3800, 21.3485.



This preview shows how white text looks on a background with the XYZ color 17.7993, 18.3800,

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

17.7993, 18.3800, 21.3485

Protanopia

17.7993, 18.3800, 21.3485

Deuteranopia

18.6709, 18.3059, 21.6181



Tritanopia

18.0772, 18.3198, 22.6620

Trichromacy



Original Color

17.7993, 18.3800, 21.3485

Protanomaly

17.7993, 18.3800, 21.3485

Deuteranomaly

18.3409, 18.3060, 21.6355

Tritanomaly

18.0123, 18.2939, 22.3204

Monochromacy



Original Color

17.7993, 18.3800, 21.3485

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

17.5947, 18.4717, 20.4073

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7993, 18.3800, 21.3485 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(120, 118, 123)` looks like.

```
.text, #text, p{  
    color:rgb(120, 118, 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(120, 118, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 118, 123) }
```

Border

The CSS property to change the border of an element to XYZ 17.7993, 18.3800, 21.3485 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(120, 118, 123) }
```


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

```
.border{ border-color:rgb(120, 118, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 118, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 118, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 118, 123);  
box-shadow:4px 4px 4px 4px rgb(120, 118,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7993, 18.3800, 21.3485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 118, 123) }
```

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

```
.background{ background-color: rgb(120,  
118, 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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