

Converting Colors

XYZ(18.7920, 19.6261, 21.9797)

Have a look what the booklet for
XYZ(18.7920, 19.6261, 21.9797)
contains.

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Color

**XYZ(18.7660, 19.5853,
21.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	7B7A7C
RGB	123, 122, 124
RGB Percent	48%, 48%, 49%
CMY	0.5176, 0.5216, 0.5137
CMYK	0.01, 0.02, 0.00, 0.51
HSL	270°, 1%, 48%
HSV	270°, 2%, 49%
XYZ	18.7660, 19.5853, 21.8600
YIQ	122.5270, -0.0460, 0.8340

Conversions

Conversions Part 2

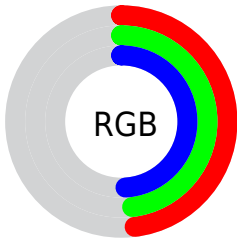
Format	Color
R _Y B	123, 122, 124
Decimal	8092284
CIE Lab	51.37, 0.78, -0.96
CIE LCh	51, 1.241, 309.065
Yxy	19.5853, 0.3117, 0.3253
Android (android.graphics.Color)	4286282364 (0xFF7B7A7C)
YUV	122.5270, 0.7262, 0.4148
Hunter-Lab	44.2553, -1.7556, 1.6923

Details

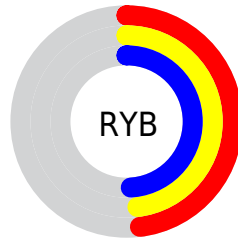
The XYZ color **18.7660, 19.5853, 21.8600** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **18.8897, 20.0319, 21.2844**, and the grayscale version is **18.6693, 19.6416, 21.3897**.

A 20% lighter version of the original color is **40.6517, 42.5207, 47.1390**, and **6.4766, 6.7289, 7.6141** is the 20% darker color. If you saturate the color by 10%, you get **16.4796, 16.2892, 21.3446**, and if you desaturate by 10%, it is **21.3041, 23.3007, 22.4437**.

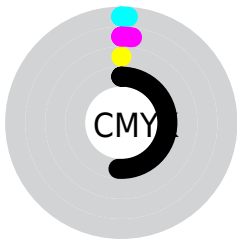
Distribution



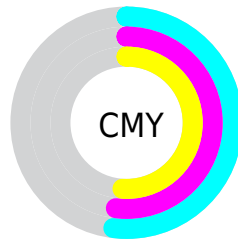
- Red (48%)
- Green (48%)
- Blue (49%)



- Red (48%)
- Yellow (48%)
- Blue (49%)



- Cyan (1%)
- Magenta (2%)
- Yellow (0%)
- Black (51%)



- Cyan (52%)
- Magenta (52%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7660, 19.5853, 21.8600 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 18.7660, 19.5853, 21.8600 by changing the saturation by 10% instead.

■ 18.7660, 19.5853,
21.8600

■ 18.7660, 19.5853,
21.8600

238.1169,
249.6612, 274.7439

■ 11.6043, 12.0940,
13.5567

■ 40.8583, 42.7208,
47.4137

■ 6.5451, 6.8077,
7.6778

■ 56.5195, 59.1338,
65.5012

■ 3.2231, 3.3421,
3.8047

■ 75.7447, 79.2894,
87.6873

■ 1.2728, 1.3129,
1.5188

98.8992, 103.5720,
114.3904

■ 0.1627, 0.1511,
0.2319

126.3483,
132.3662, 146.0290

■ 0.0000, 0.0000,
0.0000

158.4574,

166.0561, 183.0218

195.5918,
205.0263, 225.7872

■ 18.7660, 19.5853,
21.8600

■ 18.7660, 19.5853,
21.8600

■ 16.4796, 16.2892,
21.3446

■ 21.3041, 23.3007,
22.4437

■ 14.4350, 13.3948,
20.8937

■ 24.1002, 27.4472,
23.0966

■ 12.6239, 10.8869,
20.5051

■ 27.1624, 32.0393,
23.8216

■ 11.0368, 8.7483,
20.1759

■ 30.4979, 37.0900,
24.6207

■ 9.6638, 6.9605,
19.9032

■ 34.1137, 42.6119,
25.4960

■ 8.4939, 5.5035,
19.6836

■ 38.0164, 48.6168,
26.4493

■ 7.5150, 4.3550,
19.5135

■ 42.2125, 55.1165,
27.4827

■ 6.7138, 3.4898,
19.3888

■ 46.7083, 62.1221,
28.5980

■ 6.0745, 2.8789,
19.3045

■ 51.5096, 69.6443,
29.7969

Harmonies

Analogous

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



18.6529, 19.5853, 22.0070



18.7660, 19.5853, 21.8600



18.8390, 19.5853, 21.5701

Triad

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



18.7660, 19.5853, 21.8600



18.7006, 19.5853, 20.6932



18.3806, 19.5853, 21.4329

Complementary

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



18.7660, 19.5853, 21.8600



18.8897, 20.0319, 21.2844

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.



18.3933, 19.5853, 21.0818



18.7660, 19.5853, 21.8600



18.5777, 19.5853, 20.6574

Square

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



18.7660, 19.5853, 21.8600



18.8011, 19.5853, 20.8973



18.4653, 19.5853, 20.7989



18.4306, 19.5853, 21.7586

Rectangle

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



18.7660, 19.5853, 21.8600



18.8548, 19.5853, 21.3362



18.4653, 19.5853, 20.7989



18.3777, 19.5853, 21.3139

Sweetspot

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



18.7666, 19.5861, 21.8604



33.7135, 35.4692, 38.6260



18.7520, 19.7678, 21.8962



7.9400, 8.3535, 9.0970



60.6688, 63.8283, 69.5090

Same Dimension

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



18.7666, 19.5861, 21.8604



32.8395, 34.1981, 38.4267



18.9056, 19.6578, 21.8669



4.3615, 4.5473, 5.0910



5.7098, 2.5163, 19.5700



26.2551, 11.4970, 93.3051

Inverse Universe

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



18.8476, 19.6352, 21.5366



33.0205, 34.3076, 37.7033



18.7520, 19.9610, 21.2779



4.3827, 4.5602, 5.0062



9.3350, 4.7102, 5.0551



44.0992, 22.2960, 21.8502

Previews

White Background



This preview shows how the XYZ color 18.7660, 19.5853, 21.8600 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 18.7660, 19.5853, 21.8600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

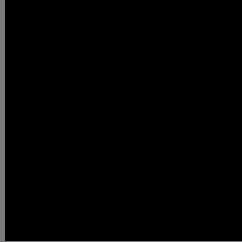
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

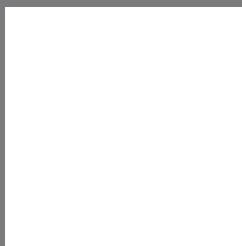
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.7660, 19.5853, 21.8600

Background



This preview shows how black text looks on a background with the XYZ color 18.7660, 19.5853, 21.8600.



This preview shows how white text looks on a background with the XYZ color 18.7660, 19.5853,

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

18.7660, 19.5853, 21.8600

Protanopia

18.9098, 19.6594, 21.8668

Deuteranopia

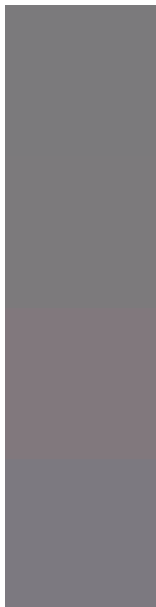
19.9714, 19.6609, 22.1444



Tritanopia

19.2463, 19.5985, 24.2412

Trichromacy



Original Color

18.7660, 19.5853, 21.8600

Protanomaly

18.9098, 19.6594, 21.8668

Deuteranomaly

19.4714, 19.5807, 22.1552

Tritanomaly

19.0458, 19.5183, 23.1857

Monochromacy



Original Color

18.7660, 19.5853, 21.8600

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.8265, 19.8069, 21.5697

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7660, 19.5853, 21.8600 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(123, 122, 124)` looks like.

```
.text, #text, p{  
    color:rgb(123, 122, 124)  
}
```

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(123, 122, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 122, 124) }
```

Border

The CSS property to change the border of an element to XYZ 18.7660, 19.5853, 21.8600 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(123, 122, 124) }
```

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

```
.border{ border-color:rgb(123, 122, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 122, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 122, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 122, 124);  
box-shadow:4px 4px 4px 4px rgb(123, 122,  
124) }
```


Background

The CSS property to change the background color of an element to XYZ 18.7660, 19.5853, 21.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 122, 124) }
```

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

```
.background{ background-color: rgb(123,  
122, 124) }
```

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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