

Converting Colors

XYZ(19.1786, 21.7536, 20.5797)

Have a look what the booklet for
XYZ(19.1786, 21.7536, 20.5797)
contains.

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Color

**XYZ(19.1888, 21.7564,
20.6408)**

Conversions

Conversions Part 1

Format	Color
Hex	778477
RGB	119, 132, 119
RGB Percent	47%, 52%, 47%
CMY	0.5333, 0.4823, 0.5333
CMYK	0.10, 0.00, 0.10, 0.48
HSL	120°, 5%, 49%
HSV	120°, 10%, 52%
XYZ	19.1888, 21.7564, 20.6408
YIQ	126.6310, -3.5750, -6.7990

Conversions

Conversions Part 2

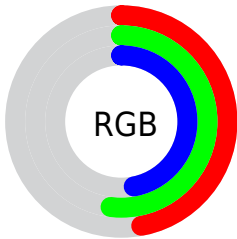
Format	Color
R_{YB}	119, 132, 132
Decimal	7832695
CIE _{Lab}	53.77, -7.40, 5.40
CIE _{LCh}	54, 9.163, 143.904
Yxy	21.7564, 0.3116, 0.3533
Android (android.graphics.Color)	4286022775 (0xFF778477)
YUV	126.6310, -3.7621, -6.6924
Hunter-Lab	46.6438, -8.1934, 6.4136

Details

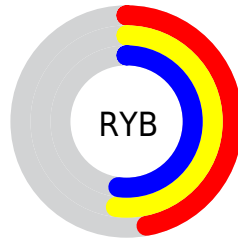
The XYZ color **19.1888, 21.7564, 20.6408** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.2782, 19.7657, 24.5773**, and the grayscale version is **20.0602, 21.1049, 22.9832**.

A 20% lighter version of the original color is **41.4942, 46.2961, 45.2771**, and **6.8291, 7.9810, 7.1418** is the 20% darker color. If you saturate the color by 10%, you get **16.7630, 20.5918, 16.6725**, and if you desaturate by 10%, it is **21.9776, 23.0966, 25.2018**.

Distribution



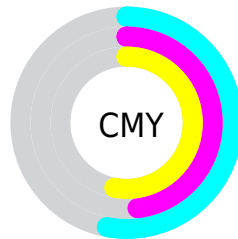
- Red (47%)
- Green (52%)
- Blue (47%)



- Red (47%)
- Yellow (52%)
- Blue (52%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.1888, 21.7564, 20.6408 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 19.1888, 21.7564, 20.6408 by changing the saturation by 10% instead.

■ 19.1888, 21.7564,
20.6408

■ 19.1888, 21.7564,
20.6408

240.4072,
261.2715, 268.0814

■ 11.9116, 13.6780,
12.6730

■ 41.5673, 46.3430,
45.3620

■ 6.7553, 7.8971,
7.0757

■ 57.3993, 63.6201,
62.9524

■ 3.3545, 4.0292,
3.4303

■ 76.8136, 84.7322,
84.5875

■ 1.3439, 1.6899,
1.3183

100.1756,
110.0636, 110.6858

■ 0.2157, 0.4171,
0.0767

127.8506,
139.9989, 141.6657

■ 0.0000, 0.0000,
0.0000

160.2039,

174.9224, 177.9460

197.6010,
215.2184, 219.9450

■ 19.1888, 21.7564,
20.6408

■ 19.1888, 21.7564,
20.6408

■ 16.7630, 20.5918,
16.6725

■ 21.9776, 23.0966,
25.2018

■ 14.6837, 19.5930,
13.2714

■ 25.1415, 24.6164,
30.3769

■ 12.9354, 18.7532,
10.4118

■ 28.6944, 26.3231,
36.1884

■ 11.5012, 18.0643,
8.0659

■ 32.6489, 28.2226,
42.6567

■ 10.3625, 17.5173,
6.2032

■ 37.0170, 30.3209,
49.8014

■ 9.4986, 17.1023,
4.7902

■ 41.8103, 32.6233,
57.6416

■ 8.8864, 16.8083,
3.7888

■ 47.0397, 35.1352,
66.1952

■ 8.4989, 16.6221,
3.1549

■ 52.7159, 37.8618,
75.4797

■ 8.2553, 16.5051,
2.7564

■ 58.8493, 40.8080,
85.5119

Harmonies

Analogous

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



19.9223, 21.7564, 19.0767



19.1888, 21.7564, 20.6408



18.8557, 21.7564, 23.1188

Triad

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



19.1888, 21.7564, 20.6408



20.4787, 21.7564, 29.4897



22.4554, 21.7564, 21.5626

Complementary

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



19.1888, 21.7564, 20.6408



20.2782, 19.7657, 24.5773

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.



22.6158, 21.7564, 24.2686



19.1888, 21.7564, 20.6408



21.4542, 21.7564, 28.9906

Square

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



19.1888, 21.7564, 20.6408



19.5851, 21.7564, 28.3378



22.2440, 21.7564, 27.0235



21.8125, 21.7564, 19.5786

Rectangle

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



19.1888, 21.7564, 20.6408



18.8978, 21.7564, 25.0137



22.2440, 21.7564, 27.0235



22.5684, 21.7564, 22.4119

Sweetspot

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



19.1894, 21.7573, 20.6413



37.0605, 39.8895, 41.6902



21.0977, 22.7411, 20.7305



8.5421, 9.2456, 9.5650



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.1894, 21.7573, 20.6413



32.7095, 37.7995, 34.5735



19.5934, 21.9189, 22.7687



4.6163, 5.2048, 4.9907



7.9893, 15.9786, 2.6631



0.0277, 0.0554, 0.0092

Inverse Universe

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



20.2782, 19.7657, 24.5773



35.0603, 33.4996, 43.0712



19.8470, 19.5932, 22.3064



4.8579, 4.7628, 5.8640



13.2461, 6.3628, 21.6661



0.0459, 0.0220, 0.0751

Previews

White Background



This preview shows how the XYZ color 19.1888, 21.7564, 20.6408 looks on a white background.

Color Contrast Check

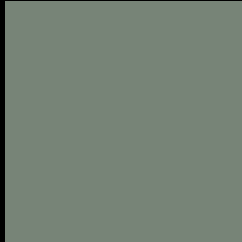
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1888, 21.7564, 20.6408 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

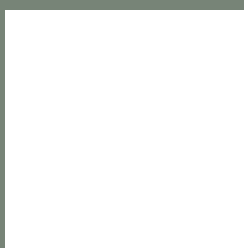
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.1888, 21.7564, 20.6408

Background



This preview shows how black text looks on a background with the XYZ color 19.1888, 21.7564, 20.6408.



This preview shows how white text looks on a background with the XYZ color 19.1888, 21.7564,

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

19.1888, 21.7564, 20.6408

Protanopia

20.6029, 21.7092, 19.9340

Deuteranopia

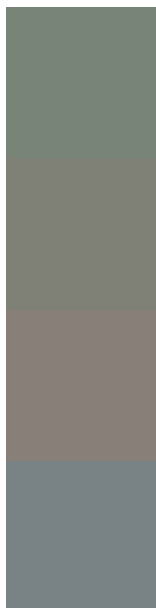
22.1604, 21.7251, 21.1145



Tritanopia

20.5365, 21.7022, 27.5326

Trichromacy



Original Color

19.1888, 21.7564, 20.6408

Protanomaly

20.0224, 21.5977, 20.2530

Deuteranomaly

20.9712, 21.6857, 20.8498

Tritanomaly

20.0326, 21.6962, 24.9617

Monochromacy



Original Color

19.1888, 21.7564, 20.6408

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

19.8005, 21.4408, 22.1637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.1888, 21.7564, 20.6408 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(119, 132, 119)` looks like.

```
.text, #text, p{  
    color:rgb(119, 132, 119)  
}
```

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(119, 132, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 132, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.1888, 21.7564, 20.6408 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(119, 132, 119) }
```


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

```
.border{ border-color:rgb(119, 132, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 132, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 132, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 132, 119);  
box-shadow:4px 4px 4px 4px rgb(119, 132,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.1888, 21.7564, 20.6408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 132, 119) }
```

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

```
.background{ background-color: rgb(119,  
132, 119) }
```

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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