

Converting Colors

XYZ(20.3888, 19.9396, 21.9195)

Have a look what the booklet for
XYZ(20.3888, 19.9396, 21.9195)
contains.

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Color

**XYZ(20.3883, 19.8831,
21.8320)**

Conversions

Conversions Part 1

Format	Color
Hex	88777C
RGB	136, 119, 124
RGB Percent	53%, 47%, 49%
CMY	0.4667, 0.5333, 0.5137
CMYK	0.00, 0.12, 0.09, 0.47
HSL	342°, 7%, 50%
HSV	342°, 12%, 53%
XYZ	20.3883, 19.8831, 21.8320
YIQ	124.6530, 8.5270, 5.1590

Conversions

Conversions Part 2

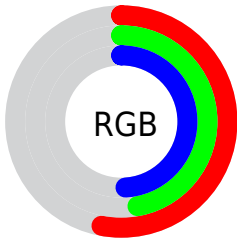
Format	Color
R _Y B	136, 119, 124
Decimal	8943484
CIE Lab	51.70, 7.48, -0.33
CIE LCh	52, 7.484, 357.492
Yxy	19.8831, 0.3283, 0.3202
Android (android.graphics.Color)	4287133564 (0xFF88777C)
YUV	124.6530, -0.3219, 9.9513
Hunter-Lab	44.5905, 3.5830, 2.1843

Details

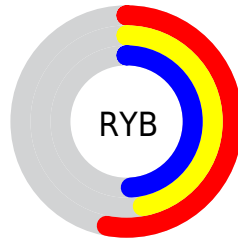
The XYZ color **20.3883, 19.8831, 21.8320** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **20.5095, 23.1696, 24.8652**, and the grayscale version is **19.3759, 20.3850, 22.1992**.

A 20% lighter version of the original color is **43.3856, 43.0792, 47.1027**, and **7.3610, 6.9929, 7.6184** is the 20% darker color. If you saturate the color by 10%, you get **18.3063, 16.6438, 18.2867**, and if you desaturate by 10%, it is **22.7622, 23.6111, 25.7668**.

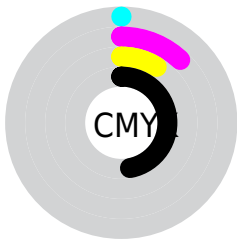
Distribution



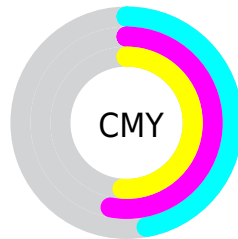
- Red (53%)
- Green (47%)
- Blue (49%)



- Red (53%)
- Yellow (47%)
- Blue (49%)



- Cyan (0%)
- Magenta (12%)
- Yellow (9%)
- Black (47%)



- Cyan (47%)
- Magenta (53%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3883, 19.8831, 21.8320 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 20.3883, 19.8831, 21.8320 by changing the saturation by 10% instead.

■ 20.3883, 19.8831,
21.8320

■ 20.3883, 19.8831,
21.8320

246.8032,
251.2816, 274.5925

■ 12.7875, 12.3101,
13.5364

■ 43.5662, 43.2211,
47.3668

■ 7.3584, 6.9552,
7.6639

■ 59.8741, 59.7549,
65.4430

■ 3.7355, 3.4341,
3.7960

■ 79.8150, 80.0444,
87.6166

■ 1.5536, 1.3624,
1.5141

103.7544,
104.4740, 114.3059

■ 0.3619, 0.1887,
0.2284

132.0575,
133.4282, 145.9297

■ 0.0000, 0.0000,
0.0000

165.0898,

167.2912, 182.9063

203.2166,
206.4475, 225.6544

■ 20.3883, 19.8831,
21.8320

■ 20.3883, 19.8831,
21.8320

■ 18.3063, 16.6438,
18.2867

■ 22.7622, 23.6111,
25.7668

■ 16.5030, 13.8703,
15.1176

■ 25.4372, 27.8442,
30.1014

■ 14.9668, 11.5418,
12.3123

■ 28.4240, 32.6013,
34.8473

■ 13.6845, 9.6348,
9.8572

■ 31.7324, 37.8996,
40.0151

■ 12.6417, 8.1239,
7.7381

■ 35.3718, 43.7554,
45.6152

■ 11.8227, 6.9806,
5.9393

■ 39.3511, 50.1844,
51.6572

■ 11.2094, 6.1728,
4.4442

■ 43.6790, 57.2016,
58.1510

■ 10.7812, 5.6626,
3.2341

■ 48.3636, 64.8216,
65.1056

■ 10.5363, 5.3874,
2.4908

■ 53.4131, 73.0583,
72.5300

Harmonies

Analogous

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



20.1511, 19.8831, 23.9650



20.3883, 19.8831, 21.8320



20.2175, 19.8831, 19.7835

Triad

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



20.3883, 19.8831, 21.8320



18.2351, 19.8831, 18.1618



18.1277, 19.8831, 25.3540

Complementary

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



20.3883, 19.8831, 21.8320



20.5095, 23.1696, 24.8652

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.



17.6377, 19.8831, 23.6289



20.3883, 19.8831, 21.8320



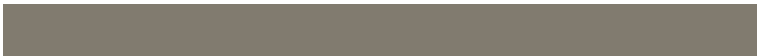
17.6985, 19.8831, 19.4879

Square

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



20.3883, 19.8831, 21.8320



18.9620, 19.8831, 17.7503



17.4827, 19.8831, 21.4677



18.8348, 19.8831, 26.0812

Rectangle

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



20.3883, 19.8831, 21.8320



19.8978, 19.8831, 18.7226



17.4827, 19.8831, 21.4677



17.9328, 19.8831, 24.8662

Sweetspot

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



20.3889, 19.8840, 21.8324



39.4137, 40.5070, 44.2600



20.3861, 19.7894, 26.0383



9.0594, 9.2733, 10.1376



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



20.3889, 19.8840, 21.8324



34.8420, 33.3412, 36.6396



20.4926, 20.5845, 20.3469



5.0894, 5.0712, 5.5595



9.9758, 5.1004, 2.3770



0.0721, 0.0362, 0.0462

Inverse Universe

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



20.3889, 19.8840, 21.8324



34.8420, 33.3412, 36.6396



20.3853, 22.3659, 26.5356



5.0894, 5.0712, 5.5595



9.9758, 5.1004, 2.3770



0.0721, 0.0362, 0.0462

Previews

White Background



This preview shows how the XYZ color 20.3883, 19.8831, 21.8320 looks on a white background.

Color Contrast Check

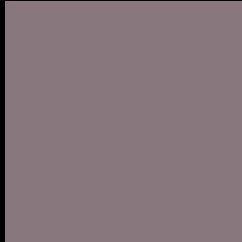
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3883, 19.8831, 21.8320 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 20.3883, 19.8831, 21.8320

Background



This preview shows how black text looks on a background with the XYZ color 20.3883, 19.8831, 21.8320.



This preview shows how white text looks on a background with the XYZ color 20.3883, 19.8831,

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

20.3883, 19.8831, 21.8320

Protanopia

19.3063, 20.0322, 22.5877

Deuteranopia

20.2266, 19.7998, 21.8245



Tritanopia

20.6912, 19.8337, 23.1598

Trichromacy



Original Color

20.3883, 19.8831, 21.8320

Protanomaly

19.7145, 20.0669, 22.2363

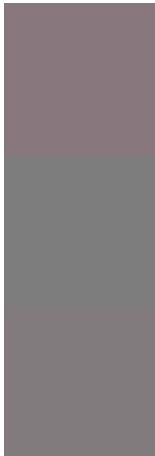
Deuteranomaly

20.2266, 19.7998, 21.8245

Tritanomaly

20.6257, 19.8075, 22.8148

Monochromacy



Original Color

20.3883, 19.8831, 21.8320

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8379, 20.3137, 22.2774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3883, 19.8831, 21.8320 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(136, 119, 124)` looks like.

```
.text, #text, p{  
    color:rgb(136, 119, 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(136, 119, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 119, 124) }
```

Border

The CSS property to change the border of an element to XYZ 20.3883, 19.8831, 21.8320 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(136, 119, 124) }
```


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

```
.border{ border-color:rgb(136, 119, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 119, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 119, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 119, 124);  
box-shadow:4px 4px 4px 4px rgb(136, 119,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3883, 19.8831, 21.8320 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 119, 124) }
```

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

```
.background{ background-color: rgb(136,  
119, 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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