

Converting Colors

XYZ(20.6973, 23.6880, 22.0739)

Have a look what the booklet for
XYZ(20.6973, 23.6880, 22.0739)
contains.

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Color

**XYZ(20.8320, 23.8180,
22.2383)**

Conversions

Conversions Part 1

Format	Color
Hex	7B8A7B
RGB	123, 138, 123
RGB Percent	48%, 54%, 48%
CMY	0.5176, 0.4588, 0.5176
CMYK	0.11, 0.00, 0.11, 0.46
HSL	120°, 6%, 51%
HSV	120°, 11%, 54%
XYZ	20.8320, 23.8180, 22.2383
YIQ	131.8050, -4.1250, -7.8450

Conversions

Conversions Part 2

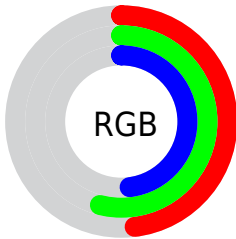
Format	Color
R_{YB}	123, 138, 138
Decimal	8096379
CIE _{Lab}	55.91, -8.47, 6.19
CIE _{LCh}	56, 10.495, 143.836
Yxy	23.8180, 0.3114, 0.3561
Android (android.graphics.Color)	4286286459 (0xFF7B8A7B)
YUV	131.8050, -4.3409, -7.7220
Hunter-Lab	48.8037, -9.2132, 7.1460

Details

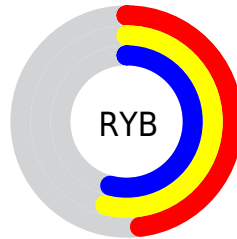
The XYZ color **20.8320, 23.8180, 22.2383** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.1525, 21.4047, 27.0098**, and the grayscale version is **21.8786, 23.0180, 25.0666**.

A 20% lighter version of the original color is **44.2732, 49.5869, 47.7952**, and **7.5498, 8.9297, 7.8043** is the 20% darker color. If you saturate the color by 10%, you get **18.1915, 22.5503, 17.9188**, and if you desaturate by 10%, it is **23.8740, 25.2799, 27.2133**.

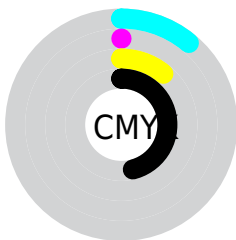
Distribution



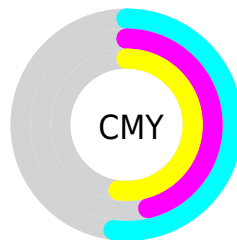
- Red (48%)
- Green (54%)
- Blue (48%)



- Red (48%)
- Yellow (54%)
- Blue (54%)



- Cyan (11%)
- Magenta (0%)
- Yellow (11%)
- Black (46%)



- Cyan (52%)
- Magenta (46%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8320, 23.8180, 22.2383 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 20.8320, 23.8180, 22.2383 by changing the saturation by 10% instead.

■ 20.8320, 23.8180,
22.2383

■ 20.8320, 23.8180,
22.2383

249.1330,
271.8991, 276.7822

■ 13.1130, 15.1987,
13.8321

■ 44.3012, 49.7330,
48.0468

■ 7.5840, 8.9589,
7.8666

■ 60.7820, 67.7975,
66.2861

■ 3.8795, 4.7144,
3.9231

■ 80.9143, 89.7792,
88.6403

■ 1.6342, 2.0807,
1.5833

105.0632,
116.0625, 115.5278

■ 0.4145, 0.6537,
0.2788

133.5942,
147.0317, 147.3672

■ 0.0000, 0.0000,
0.0000

166.8725,

183.0712, 184.5771

205.2637,
224.5656, 227.5759

■ 20.8320, 23.8180,
22.2383

■ 20.8320, 23.8180,
22.2383

■ 18.1915, 22.5503,
17.9188

■ 23.8740, 25.2799,
27.2133

■ 15.9338, 21.4658,
14.2260

■ 27.3311, 26.9406,
32.8680

■ 14.0418, 20.5570,
11.1313

■ 31.2189, 28.8081,
39.2270

■ 12.4962, 19.8146,
8.6032

■ 35.5514, 30.8892,
46.3134

■ 11.2761, 19.2285,
6.6075

■ 40.3422, 33.1905,
54.1493

■ 10.3582, 18.7876,
5.1060

■ 45.6041, 35.7180,
62.7557

■ 9.7162, 18.4792,
4.0558

■ 51.3494, 38.4778,
72.1529

■ 9.3192, 18.2885,
3.4064

■ 57.5902, 41.4756,
82.3604

■ 9.0890, 18.1779,
3.0298

■ 64.3378, 44.7168,
93.3970

Harmonies

Analogous

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



21.7216, 23.8180, 20.3639



20.8320, 23.8180, 22.2383



20.4280, 23.8180, 25.2330

Triad

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



20.8320, 23.8180, 22.2383



22.3923, 23.8180, 33.0482



24.8076, 23.8180, 23.3622

Complementary

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



20.8320, 23.8180, 22.2383



22.1525, 21.4047, 27.0098

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.



25.0025, 23.8180, 26.6473



20.8320, 23.8180, 22.2383



23.5804, 23.8180, 32.4365

Square

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



20.8320, 23.8180, 22.2383



21.3082, 23.8180, 31.6225



24.5461, 23.8180, 30.0175



24.0226, 23.8180, 20.9717

Rectangle

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



20.8320, 23.8180, 22.2383



20.4780, 23.8180, 27.5409



24.5461, 23.8180, 30.0175



24.9454, 23.8180, 24.3904

Sweetspot

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



20.8327, 23.8190, 22.2388



40.8426, 43.9637, 45.9421



23.1459, 25.0116, 22.3469



9.0684, 9.8165, 10.1535



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.



20.8327, 23.8190, 22.2388



35.5356, 41.4144, 37.2617



21.3205, 24.0141, 24.8077



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7778



0.0554, 0.1107, 0.0185

Inverse Universe

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



22.1525, 21.4047, 27.0098



38.3316, 36.2997, 47.3689



21.6279, 21.1948, 24.2473



5.2339, 5.1290, 6.3199



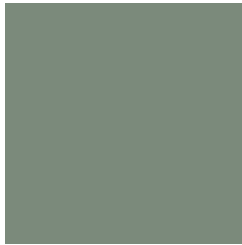
13.8155, 6.6363, 22.5964



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 20.8320, 23.8180, 22.2383 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 20.8320, 23.8180, 22.2383 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 20.8320, 23.8180, 22.2383

Background



This preview shows how black text looks on a background with the XYZ color 20.8320, 23.8180, 22.2383.



This preview shows how white text looks on a background with the XYZ color 20.8320, 23.8180,

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

20.8320, 23.8180, 22.2383

Protanopia

22.4862, 23.6445, 21.4679

Deuteranopia

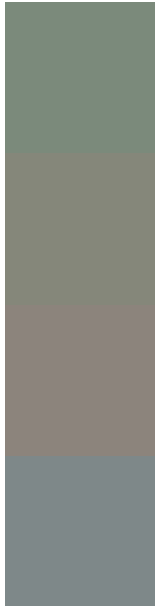
24.1296, 23.6652, 22.6981



Tritanopia

22.5272, 23.8843, 30.2109

Trichromacy



Original Color

20.8320, 23.8180, 22.2383

Protanomaly

21.8497, 23.7196, 21.8391

Deuteranomaly

22.7046, 23.5332, 22.4145

Tritanomaly

21.9237, 23.8501, 27.1149

Monochromacy



Original Color

20.8320, 23.8180, 22.2383

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.5408, 23.3023, 24.1313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8320, 23.8180, 22.2383 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, 138, 123)` looks like.

```
.text, #text, p{  
    color:rgb(123, 138, 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(123, 138, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 138, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.8320, 23.8180, 22.2383 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, 138, 123) }
```


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

```
.border{ border-color:rgb(123, 138, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 138, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 138, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 138, 123);  
box-shadow:4px 4px 4px 4px rgb(123, 138,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8320, 23.8180, 22.2383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 138, 123) }
```

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

```
.background{ background-color: rgb(123,  
138, 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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