

Converting Colors

XYZ(20.5478, 22.3894, 22.0394)

Have a look what the booklet for
XYZ(20.5478, 22.3894, 22.0394)
contains.

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Color

**XYZ(20.5788, 22.4446,
21.9865)**

Conversions

Conversions Part 1

Format	Color
Hex	7F847B
RGB	127, 132, 123
RGB Percent	50%, 52%, 48%
CMY	0.5020, 0.4823, 0.5176
CMYK	0.04, 0.00, 0.07, 0.48
HSL	93°, 4%, 50%
HSV	93°, 7%, 52%
XYZ	20.5788, 22.4446, 21.9865
YIQ	129.4790, -0.0910, -3.8590

Conversions

Conversions Part 2

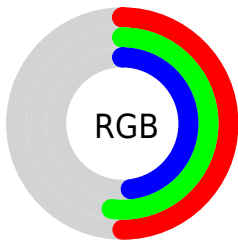
Format	Color
RYB	123, 132, 128
Decimal	8356987
CIELab	54.50, -3.62, 4.21
CIElCh	54, 5.554, 130.726
Yxy	22.4446, 0.3165, 0.3452
Android (android.graphics.Color)	4286547067 (0xFF7F847B)
YUV	129.4790, -3.1941, -2.1741
Hunter-Lab	47.3757, -5.3717, 5.6472

Details

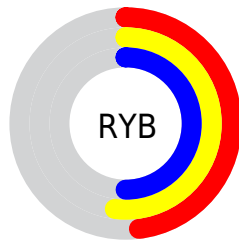
The XYZ color **20.5788, 22.4446, 21.9865** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.1508, 20.4217, 24.7107**, and the grayscale version is **21.0458, 22.1418, 24.1124**.

A 20% lighter version of the original color is **43.9092, 47.4964, 47.4109**, and **7.4712, 8.3006, 7.6870** is the 20% darker color. If you saturate the color by 10%, you get **18.7547, 21.5940, 17.8746**, and if you desaturate by 10%, it is **22.5951, 23.3827, 26.6900**.

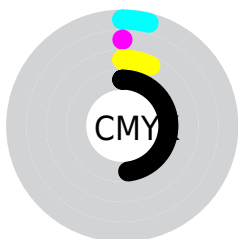
Distribution



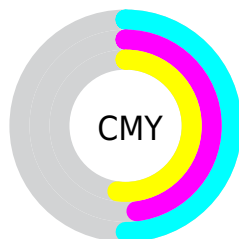
- Red (50%)
- Green (52%)
- Blue (48%)



- Red (48%)
- Yellow (52%)
- Blue (50%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (48%)



- Cyan (50%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5788, 22.4446, 21.9865 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 20.5788, 22.4446, 21.9865 by changing the saturation by 10% instead.

■ 20.5788, 22.4446,
21.9865

■ 20.5788, 22.4446,
21.9865

247.8058,
264.8594, 275.4270

■ 12.9272, 14.1839,
13.6488

■ 43.8821, 47.4797,
47.6256

■ 7.4551, 8.2487,
7.7408

■ 60.2644, 65.0230,
65.7640

■ 3.7971, 4.2545,
3.8442

■ 80.2877, 86.4293,
88.0064

■ 1.5880, 1.8169,
1.5403

104.3173,
112.0829, 114.7713

■ 0.3846, 0.4977,
0.2476

132.7185,
142.3684, 146.4773

■ 0.0000, 0.0000,
0.0000

165.8568,

177.6700, 183.5429

204.0974,
218.3722, 226.3866

■ 20.5788, 22.4446,
21.9865

■ 20.5788, 22.4446,
21.9865

■ 18.7547, 21.5940,
17.8746

■ 22.5951, 23.3827,
26.6900

■ 17.1150, 20.8255,
14.3295

■ 24.8077, 24.4079,
32.0059

■ 15.6536, 20.1371,
11.3266

■ 27.2226, 25.5237,
37.9554

■ 14.3639, 19.5259,
8.8393

■ 29.8452, 26.7322,
44.5586

■ 13.2383, 18.9888,
6.8383

■ 32.6806, 28.0358,
51.8346

■ 12.2689, 18.5222,
5.2916

■ 35.7337, 29.4366,
59.8016

■ 11.4468, 18.1226,
4.1635

■ 39.0093, 30.9366,
68.4773

■ 10.7622, 17.7856,
3.4125

■ 42.5120, 32.5379,
77.8786

■ 10.1981, 17.5042,
2.9617

■ 46.2462, 34.2423,
88.0220

Harmonies

Analogous

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



21.1160, 22.4446, 21.2924



20.5788, 22.4446, 21.9865



20.2477, 22.4446, 23.3492

Triad

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



20.5788, 22.4446, 21.9865



20.9491, 22.4446, 27.7390



22.5030, 22.4446, 23.8201

Complementary

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



20.5788, 22.4446, 21.9865



20.1508, 20.4217, 24.7107

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.



22.4562, 22.4446, 25.5609



20.5788, 22.4446, 21.9865



21.5514, 22.4446, 27.8798

Square

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



20.5788, 22.4446, 21.9865



20.4587, 22.4446, 26.6899



22.1052, 22.4446, 27.0660



22.2317, 22.4446, 22.3172

Rectangle

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



20.5788, 22.4446, 21.9865



20.1845, 22.4446, 24.4808



22.1052, 22.4446, 27.0660



22.5241, 22.4446, 24.3959

Sweetspot

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



20.5794, 22.4456, 21.9870



37.9015, 40.3049, 42.5514



20.8044, 21.7618, 21.8431



8.8358, 9.3892, 9.9338



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.



20.5794, 22.4456, 21.9870



35.7924, 39.3232, 37.6835



20.0237, 22.1558, 22.1084



4.7981, 5.2985, 4.9992



9.7216, 16.8716, 2.7442



0.0419, 0.0627, 0.0099

Inverse Universe

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



20.1508, 20.4217, 24.7107



34.8949, 35.0856, 43.3862



20.7336, 20.7257, 24.5775



4.6635, 4.6626, 5.8549



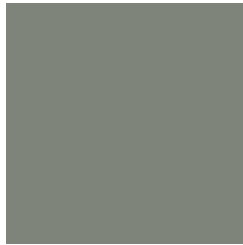
6.7251, 3.0011, 21.3615



0.0317, 0.0147, 0.0744

Previews

White Background



This preview shows how the XYZ color 20.5788, 22.4446, 21.9865 looks on a white background.

Color Contrast Check

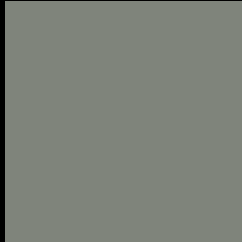
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.5788, 22.4446, 21.9865 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

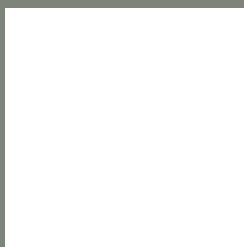
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 20.5788, 22.4446, 21.9865

Background



This preview shows how black text looks on a background with the XYZ color 20.5788, 22.4446, 21.9865.



This preview shows how white text looks on a background with the XYZ color 20.5788, 22.4446,

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

20.5788, 22.4446, 21.9865

Protanopia

21.4872, 22.5213, 21.6269

Deuteranopia

22.7760, 22.3967, 22.1914



Tritanopia

21.9222, 22.6045, 28.0186

Trichromacy



Original Color

20.5788, 22.4446, 21.9865

Protanomaly

21.1449, 22.5433, 21.6492

Deuteranomaly

21.8385, 22.2969, 22.2215

Tritanomaly

21.4726, 22.6210, 25.7888

Monochromacy



Original Color

20.5788, 22.4446, 21.9865

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.7155, 22.0868, 23.2500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5788, 22.4446, 21.9865 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(127, 132, 123)` looks like.

```
.text, #text, p{  
    color:rgb(127, 132, 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(127, 132, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 132, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.5788, 22.4446, 21.9865 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(127, 132, 123) }
```


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

```
.border{ border-color:rgb(127, 132, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 132, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 132, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 132, 123);  
box-shadow:4px 4px 4px 4px rgb(127, 132,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5788, 22.4446, 21.9865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 132, 123) }
```

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

```
.background{ background-color: rgb(127,  
132, 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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