

Converting Colors

XYZ(21.6920, 20.3260, 22.7939)

Have a look what the booklet for
XYZ(21.6920, 20.3260, 22.7939)
contains.

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Color

**XYZ(21.8108, 20.4185,
22.8703)**

Conversions

Conversions Part 1

Format	Color
Hex	90767F
RGB	144, 118, 127
RGB Percent	56%, 46%, 50%
CMY	0.4353, 0.5372, 0.5020
CMYK	0.00, 0.18, 0.12, 0.44
HSL	339°, 10%, 51%
HSV	339°, 18%, 56%
XYZ	21.8108, 20.4185, 22.8703
YIQ	126.8000, 12.6070, 8.3110

Conversions

Conversions Part 2

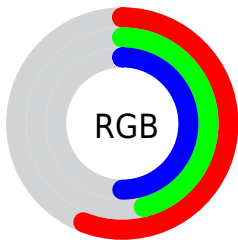
Format	Color
R_{YB}	144, 118, 127
Decimal	9467519
CIE _{Lab}	52.31, 11.69, -1.12
CIE _{LCh}	52, 11.738, 354.545
Yxy	20.4185, 0.3350, 0.3137
Android (android.graphics.Color)	4287657599 (0xFF90767F)
YUV	126.8000, 0.0986, 15.0844
Hunter-Lab	45.1868, 7.0815, 1.6225

Details

The XYZ color **21.8108, 20.4185, 22.8703** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8185, 25.5478, 26.7042**, and the grayscale version is **20.1014, 21.1482, 23.0304**.

A 20% lighter version of the original color is **45.9016, 44.0505, 49.2633**, and **8.0795, 7.2575, 8.1827** is the 20% darker color. If you saturate the color by 10%, you get **19.6576, 17.0485, 19.2650**, and if you desaturate by 10%, it is **24.2815, 24.3311, 26.8649**.

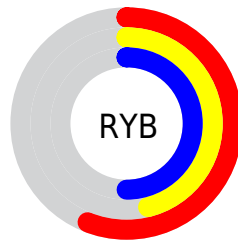
Distribution



Red (56%)

Green (46%)

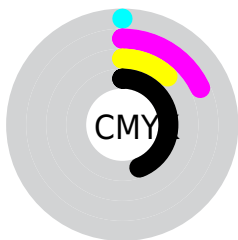
Blue (50%)



Red (56%)

Yellow (46%)

Blue (50%)

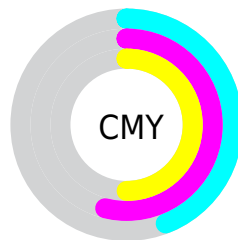


Cyan (0%)

Magenta (18%)

Yellow (12%)

Black (44%)



Cyan (44%)

Magenta (54%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8108, 20.4185, 22.8703 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 21.8108, 20.4185, 22.8703 by changing the saturation by 10% instead.

■ 21.8108, 20.4185,
22.8703

■ 21.8108, 20.4185,
22.8703

254.2076,
254.1718, 280.1584

■ 13.8338, 12.6996,
14.2934

■ 45.9143, 44.1177,
49.1008

■ 8.0861, 7.2220,
8.1839

■ 62.7714, 60.8669,
67.5914

■ 4.2023, 3.6013,
4.1234

■ 83.3193, 81.3949,
90.2236

■ 1.8172, 1.4532,
1.6933

107.9234,
106.0861, 117.4161

■ 0.5280, 0.2554,
0.3561

136.9488,
135.3251, 149.5872

■ 0.0000, 0.0000,
0.0000

170.7611,

169.4961, 187.1556

209.7256,
208.9835, 230.5399

■ 21.8108, 20.4185,
22.8703

■ 21.8108, 20.4185,
22.8703

■ 19.6576, 17.0485,
19.2650

■ 24.2815, 24.3311,
26.8649

■ 17.8068, 14.1943,
16.0356

■ 27.0803, 28.8060,
31.2591

■ 16.2447, 11.8310,
13.1697

■ 30.2196, 33.8654,
36.0645

■ 14.9561, 9.9304,
10.6537

■ 33.7107, 39.5294,
41.2915

■ 13.9238, 8.4616,
8.4731

■ 37.5641, 45.8172,
46.9505

■ 13.1290, 7.3897,
6.6123

■ 41.7900, 52.7471,
53.0512

■ 12.5499, 6.6744,
5.0539

■ 46.3983, 60.3367,
59.6034

■ 12.1445, 6.2352,
3.7734

■ 51.3984, 68.6028,
66.6160

■ 12.0739, 6.1582,
3.5515

■ 56.7994, 77.5618,
74.0982

Harmonies

Analogous

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



21.3600, 20.4185, 26.3157



21.8108, 20.4185, 22.8703



21.5961, 20.4185, 19.5835

Triad

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



21.8108, 20.4185, 22.8703



18.4588, 20.4185, 16.7169



18.0916, 20.4185, 28.0989

Complementary

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



21.8108, 20.4185, 22.8703



21.8185, 25.5478, 26.7042

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.



17.3713, 20.4185, 25.1097



21.8108, 20.4185, 22.8703



17.5771, 20.4185, 18.5947

Square

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



21.8108, 20.4185, 22.8703



19.6287, 20.4185, 16.2495



17.1870, 20.4185, 21.6062



19.1873, 20.4185, 29.5283

Rectangle

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



21.8108, 20.4185, 22.8703



21.1090, 20.4185, 17.8875



17.1870, 20.4185, 21.6062



17.7994, 20.4185, 27.2291

Sweetspot

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



21.8114, 20.4194, 22.8707



44.2219, 45.1379, 49.5958



21.4888, 20.1141, 29.1356



10.0718, 10.2406, 11.2639



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



21.8114, 20.4194, 22.8707



36.7319, 33.2850, 37.4583



21.7196, 21.1327, 20.0750



5.4811, 5.4530, 6.0316



10.5244, 5.3668, 3.1466



0.1103, 0.0552, 0.0809

Inverse Universe

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



21.8114, 20.4194, 22.8707



36.7319, 33.2850, 37.4583



21.8986, 24.6511, 29.9897



5.4811, 5.4530, 6.0316



10.5244, 5.3668, 3.1466



0.1103, 0.0552, 0.0809

Previews

White Background



This preview shows how the XYZ color 21.8108, 20.4185, 22.8703 looks on a white background.

Color Contrast Check

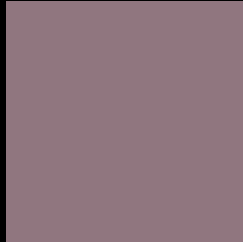
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8108, 20.4185, 22.8703 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 21.8108, 20.4185, 22.8703

Background



This preview shows how black text looks on a background with the XYZ color 21.8108, 20.4185, 22.8703.



This preview shows how white text looks on a background with the XYZ color 21.8108, 20.4185,

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

21.8108, 20.4185, 22.8703

Protanopia

19.7618, 20.4140, 24.3715

Deuteranopia

20.7566, 20.4153, 22.5852



Tritanopia

21.8108, 20.4185, 22.8703

Trichromacy



Original Color

21.8108, 20.4185, 22.8703

Protanomaly

20.5045, 20.4363, 23.9830

Deuteranomaly

21.1298, 20.4283, 22.5681

Tritanomaly

21.8108, 20.4185, 22.8703

Monochromacy



Original Color

21.8108, 20.4185, 22.8703

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.7113, 20.9342, 23.0278

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8108, 20.4185, 22.8703 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(144, 118, 127) looks like.

```
.text, #text, p{  
    color:rgb(144, 118, 127)  
}
```

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(144, 118, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 118, 127) }
```

Border

The CSS property to change the border of an element to XYZ 21.8108, 20.4185, 22.8703 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(144, 118, 127) }
```


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

```
.border{ border-color:rgb(144, 118, 127) }
```

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

Here you see how a box with a 4 pixel rgb(144, 118, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 118, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 118, 127);  
box-shadow:4px 4px 4px 4px rgb(144, 118,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8108, 20.4185, 22.8703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 118, 127) }
```

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

```
.background{ background-color: rgb(144,  
118, 127) }
```

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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