

Converting Colors

XYZ(19.7522, 22.8277, 20.8761)

Have a look what the booklet for
XYZ(19.7522, 22.8277, 20.8761)
contains.

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Color

**XYZ(19.7417, 22.8622,
20.8251)**

Conversions

Conversions Part 1

Format	Color
Hex	778877
RGB	119, 136, 119
RGB Percent	47%, 53%, 47%
CMY	0.5333, 0.4667, 0.5333
CMYK	0.13, 0.00, 0.13, 0.47
HSL	120°, 7%, 50%
HSV	120°, 13%, 53%
XYZ	19.7417, 22.8622, 20.8251
YIQ	128.9790, -4.6750, -8.8910

Conversions

Conversions Part 2

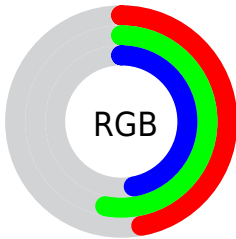
Format	Color
R_{YB}	119, 136, 136
Decimal	7833719
CIE _{Lab}	54.93, -9.62, 7.06
CIE _{LCh}	55, 11.937, 143.731
Yxy	22.8622, 0.3112, 0.3604
Android (android.graphics.Color)	4286023799 (0xFF778877)
YUV	128.9790, -4.9196, -8.7516
Hunter-Lab	47.8144, -9.9759, 7.6469

Details

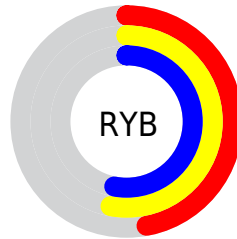
The XYZ color **19.7417, 22.8622, 20.8251** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.1950, 20.2060, 26.0768**, and the grayscale version is **20.8773, 21.9645, 23.9194**.

A 20% lighter version of the original color is **42.3429, 47.9934, 45.5600**, and **6.9909, 8.4126, 7.2166** is the 20% darker color. If you saturate the color by 10%, you get **17.2479, 21.6650, 16.7456**, and if you desaturate by 10%, it is **22.6208, 24.2458, 25.5338**.

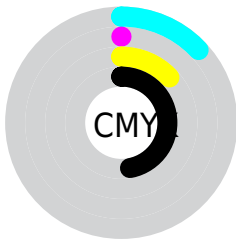
Distribution



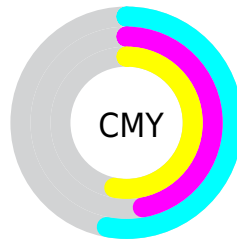
- Red (47%)
- Green (53%)
- Blue (47%)



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



- Cyan (13%)
- Magenta (0%)
- Yellow (13%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.7417, 22.8622, 20.8251 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 19.7417, 22.8622, 20.8251 by changing the saturation by 10% instead.

■ 19.7417, 22.8622,
20.8251

■ 19.7417, 22.8622,
20.8251

243.3736,
267.0164, 269.0980

■ 12.3146, 14.4918,
12.8062

■ 42.4910, 48.1670,
45.6733

■ 7.0320, 8.4635,
7.1661

■ 58.5438, 65.8701,
63.3397

■ 3.5286, 4.3929,
3.4862

■ 78.2026, 87.4529,
85.0589

■ 1.4391, 1.8957,
1.3479

101.8328,
113.2999, 111.2497

■ 0.2838, 0.5458,
0.1006

129.7996,
143.7953, 142.3304

■ 0.0000, 0.0000,
0.0000

162.4684,

179.3236, 178.7197

200.2047,
220.2692, 220.8360

■ 19.7417, 22.8622,
20.8251

■ 19.7417, 22.8622,
20.8251

■ 17.2479, 21.6650,
16.7456

■ 22.6208, 24.2458,
25.5338

■ 15.1214, 20.6435,
13.2672

■ 25.8985, 25.8203,
30.8952

■ 13.3453, 19.7903,
10.3620

■ 29.5900, 27.5935,
36.9333

■ 11.9008, 19.0965,
7.9993

■ 33.7090, 29.5721,
43.6706

■ 10.7674, 18.5520,
6.1454

■ 38.2686, 31.7623,
51.1285

■ 9.9222, 18.1461,
4.7630

■ 43.2812, 34.1701,
59.3275

■ 9.3393, 17.8661,
3.8095

■ 48.7590, 36.8013,
68.2873

■ 8.9882, 17.6974,
3.2351

■ 54.7134, 39.6616,
78.0267

■ 8.8046, 17.6092,
2.9349

■ 61.1556, 42.7561,
88.5642

Harmonies

Analogous

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



20.7216, 22.8622, 18.7986



19.7417, 22.8622, 20.8251



19.2968, 22.8622, 24.1055

Triad

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



19.7417, 22.8622, 20.8251



21.4531, 22.8622, 32.8644



24.1441, 22.8622, 22.0733

Complementary

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



19.7417, 22.8622, 20.8251



21.1950, 20.2060, 26.0768

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.



24.3593, 22.8622, 25.6975



19.7417, 22.8622, 20.8251



22.7703, 22.8622, 32.1800

Square

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



19.7417, 22.8622, 20.8251



20.2587, 22.8622, 31.2446



23.8472, 22.8622, 29.4590



23.2706, 22.8622, 19.4665

Rectangle

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



19.7417, 22.8622, 20.8251



19.3500, 22.8622, 26.6636



23.8472, 22.8622, 29.4590



24.2972, 22.8622, 23.2026

Sweetspot

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



19.7423, 22.8632, 20.8256



39.0120, 42.3176, 43.6048



22.2883, 24.1757, 20.9447



8.9515, 9.7603, 9.9623



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.



19.7423, 22.8632, 20.8256



33.4814, 39.6610, 34.5585



20.2761, 23.0767, 23.6362



4.9719, 5.6082, 5.3729



8.3329, 16.6657, 2.7777



0.0554, 0.1107, 0.0185

Inverse Universe

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



21.1950, 20.2060, 26.0768



36.5605, 34.0286, 45.6894



20.6144, 19.9738, 23.0195



5.2339, 5.1290, 6.3200



13.8158, 6.6364, 22.5979



0.0918, 0.0441, 0.1501

Previews

White Background



This preview shows how the XYZ color 19.7417, 22.8622, 20.8251 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 19.7417, 22.8622, 20.8251 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

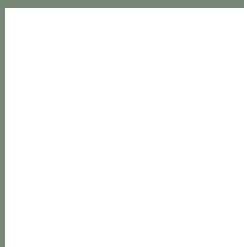
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.7417, 22.8622, 20.8251

Background



This preview shows how black text looks on a background with the XYZ color 19.7417, 22.8622, 20.8251.



This preview shows how white text looks on a background with the XYZ color 19.7417, 22.8622,

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

19.7417, 22.8622, 20.8251

Protanopia

21.5852, 22.8119, 19.7885

Deuteranopia

23.2533, 22.8551, 21.2751



Tritanopia

21.5138, 22.9692, 29.2862

Trichromacy



Original Color

19.7417, 22.8622, 20.8251

Protanomaly

20.8043, 22.8052, 20.1350

Deuteranomaly

21.6893, 22.6397, 20.9960

Tritanomaly

20.8542, 22.9090, 25.8770

Monochromacy



Original Color

19.7417, 22.8622, 20.8251

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.4104, 22.3432, 22.6390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.7417, 22.8622, 20.8251 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, 136, 119)` looks like.

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

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

Border

The CSS property to change the border of an element to XYZ 19.7417, 22.8622, 20.8251 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, 136, 119) }
```


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

```
.border{ border-color:rgb(119, 136, 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, 136, 119)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to XYZ 19.7417, 22.8622, 20.8251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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