

Converting Colors

XYZ(19.8931, 22.0166, 23.8457)

Have a look what the booklet for
XYZ(19.8931, 22.0166, 23.8457)
contains.

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Color

**XYZ(19.9594, 22.0806,
23.9789)**

Conversions

Conversions Part 1

Format	Color
Hex	788481
RGB	120, 132, 129
RGB Percent	47%, 52%, 51%
CMY	0.5294, 0.4823, 0.4941
CMYK	0.09, 0.00, 0.02, 0.48
HSL	165°, 5%, 49%
HSV	165°, 9%, 52%
XYZ	19.9594, 22.0806, 23.9789
YIQ	128.0700, -6.1890, -3.4770

Conversions

Conversions Part 2

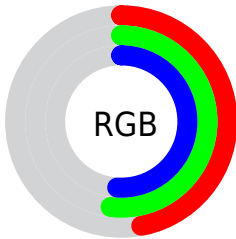
Format	Color
R_{YB}	120, 127, 132
Decimal	7898241
CIE _{Lab}	54.11, -5.01, 0.11
CIE _{LCh}	54, 5.016, 178.790
Yxy	22.0806, 0.3023, 0.3345
Android (android.graphics.Color)	4286088321 (0xFF788481)
YUV	128.0700, 0.4585, -7.0774
Hunter-Lab	46.9900, -6.4131, 2.6374

Details

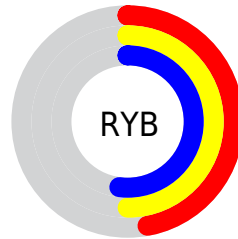
The XYZ color **19.9594, 22.0806, 23.9789** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.8081, 19.7690, 21.5116**, and the grayscale version is **20.5426, 21.6124, 23.5359**.

A 20% lighter version of the original color is **42.8057, 46.8460, 51.0420**, and **7.1398, 8.1053, 8.7776** is the 20% darker color. If you saturate the color by 10%, you get **18.0376, 21.1155, 22.7621**, and if you desaturate by 10%, it is **22.1419, 23.1806, 25.2459**.

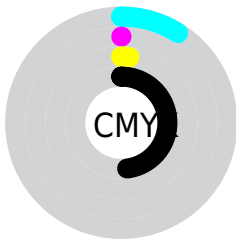
Distribution



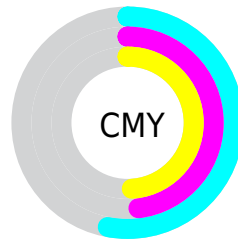
- Red (47%)
- Green (52%)
- Blue (51%)



- Red (47%)
- Yellow (50%)
- Blue (52%)



- Cyan (9%)
- Magenta (0%)
- Yellow (2%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9594, 22.0806, 23.9789 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 19.9594, 22.0806, 23.9789 by changing the saturation by 10% instead.

■ 19.9594, 22.0806,
23.9789

■ 19.9594, 22.0806,
23.9789

244.5330,
262.9669, 285.9969

■ 12.4736, 13.9161,
15.1059

■ 42.8536, 46.8792,
50.9392

■ 7.1416, 8.0624,
8.7463

■ 58.9927, 64.2821,
69.8635

■ 3.5979, 4.1349,
4.4815

■ 78.7469, 85.5332,
92.9754

■ 1.4773, 1.7493,
1.8931

102.4817,
111.0171, 120.6934

■ 0.3103, 0.4553,
0.4883

130.5623,
141.1180, 153.4360

■ 0.0000, 0.0000,
0.0000

163.3542,

176.2203, 191.6218

201.2226,
216.7085, 235.6692

■ 19.9594, 22.0806,
23.9789

■ 19.9594, 22.0806,
23.9789

■ 18.0376, 21.1155,
22.7621

■ 22.1419, 23.1806,
25.2459

■ 16.3644, 20.2770,
21.5931

■ 24.5931, 24.4176,
26.5624

■ 14.9293, 19.5605,
20.4716

■ 27.3227, 25.7973,
27.9296

■ 13.7205, 18.9599,
19.3966

■ 30.3396, 27.3243,
29.3483

■ 12.7251, 18.4685,
18.3673

■ 33.6522, 29.0029,
30.8192

■ 11.9287, 18.0789,
17.3826

■ 37.2685, 30.8372,
32.3430

■ 11.3154, 17.7830,
16.4413

■ 41.1962, 32.8311,
33.9204

■ 10.8665, 17.5710,
15.5422

■ 45.4428, 34.9886,
35.5520

■ 10.5325, 17.4175,
14.6826

■ 50.0155, 37.3134,
37.2386

Harmonies

Analogous

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



20.1058, 22.0806, 22.5243



19.9594, 22.0806, 23.9789



20.0844, 22.0806, 25.5124

Triad

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



19.9594, 22.0806, 23.9789



21.4943, 22.0806, 26.7615



21.5331, 22.0806, 21.5721

Complementary

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



19.9594, 22.0806, 23.9789



19.8081, 19.7690, 21.5116

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.



21.9162, 22.0806, 22.6292



19.9594, 22.0806, 23.9789



21.8935, 22.0806, 25.6264

Square

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



19.9594, 22.0806, 23.9789



20.9649, 22.0806, 27.1601



22.0492, 22.0806, 24.1053



21.0090, 22.0806, 21.1722

Rectangle

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



19.9594, 22.0806, 23.9789



20.3060, 22.0806, 26.3646



22.0492, 22.0806, 24.1053



21.6830, 22.0806, 21.8600

Sweetspot

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



19.9600, 22.0815, 23.9794



37.4177, 40.0324, 43.5712



19.8391, 22.0853, 20.9867



8.6447, 9.2867, 10.1056



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.



19.9600, 22.0815, 23.9794



34.3907, 38.5087, 41.7685



19.7879, 21.4131, 24.9212



4.7532, 5.2595, 5.7114



10.1713, 16.8514, 14.1534



0.0382, 0.0595, 0.0644

Inverse Universe

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



19.8081, 19.7690, 21.5116



34.0644, 33.5419, 36.4686



19.9647, 20.3785, 20.6507



4.7168, 4.7064, 5.1212



9.4816, 4.8570, 1.8423



0.0354, 0.0179, 0.0199

Previews

White Background



This preview shows how the XYZ color 19.9594, 22.0806, 23.9789 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 19.9594, 22.0806, 23.9789 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

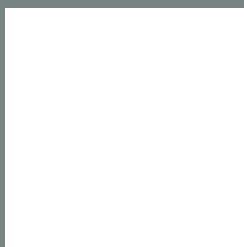
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9594, 22.0806, 23.9789

Background



This preview shows how black text looks on a background with the XYZ color 19.9594, 22.0806, 23.9789.



This preview shows how white text looks on a background with the XYZ color 19.9594, 22.0806,

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

19.9594, 22.0806, 23.9789

Protanopia

21.1967, 22.1384, 23.2346

Deuteranopia

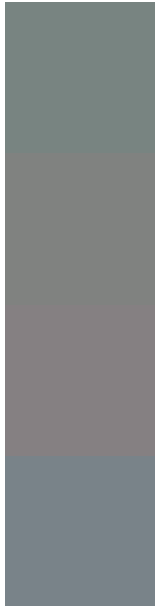
22.3474, 21.9417, 24.1764



Tritanopia

20.8164, 22.0259, 28.3536

Trichromacy



Original Color

19.9594, 22.0806, 23.9789

Protanomaly

20.7810, 22.1130, 23.5950

Deuteranomaly

21.4213, 22.0366, 24.2436

Tritanomaly

20.5168, 22.1037, 26.8520

Monochromacy



Original Color

19.9594, 22.0806, 23.9789

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.2040, 21.6190, 23.5301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9594, 22.0806, 23.9789 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(120, 132, 129)` looks like.

```
.text, #text, p{  
    color:rgb(120, 132, 129)  
}
```

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(120, 132, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 132, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.9594, 22.0806, 23.9789 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(120, 132, 129) }
```


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

```
.border{ border-color:rgb(120, 132, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 132, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 132, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 132, 129);  
box-shadow:4px 4px 4px 4px rgb(120, 132,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9594, 22.0806, 23.9789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 132, 129) }
```

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

```
.background{ background-color: rgb(120,  
132, 129) }
```

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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