

Converting Colors

XYZ(19.9487, 22.1976, 23.9810)

Have a look what the booklet for
XYZ(19.9487, 22.1976, 23.9810)
contains.

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Color

**XYZ(19.9577, 22.2820,
24.0178)**

Conversions

Conversions Part 1

Format	Color
Hex	778581
RGB	119, 133, 129
RGB Percent	47%, 52%, 51%
CMY	0.5333, 0.4784, 0.4941
CMYK	0.11, 0.00, 0.03, 0.48
HSL	163°, 6%, 49%
HSV	163°, 11%, 52%
XYZ	19.9577, 22.2820, 24.0178
YIQ	128.3580, -7.0600, -4.2120

Conversions

Conversions Part 2

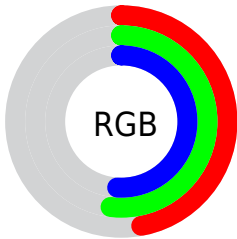
Format	Color
R _Y B	119, 127, 133
Decimal	7832961
CIE Lab	54.32, -5.94, 0.41
CIE LCh	54, 5.953, 176.080
Yxy	22.2820, 0.3012, 0.3363
Android (android.graphics.Color)	4286023041 (0xFF778581)
YUV	128.3580, 0.3165, -8.2070
Hunter-Lab	47.2038, -7.1371, 2.8753

Details

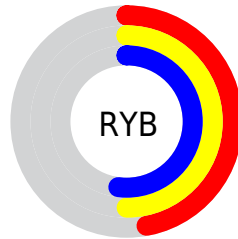
The XYZ color **19.9577, 22.2820, 24.0178** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **19.8456, 19.6108, 21.4792**, and the grayscale version is **20.6434, 21.7184, 23.6514**.

A 20% lighter version of the original color is **42.7970, 47.1531, 51.1018**, and **7.2168, 8.2594, 8.8033** is the 20% darker color. If you saturate the color by 10%, you get **18.0107, 21.3076, 22.6323**, and if you desaturate by 10%, it is **22.1709, 23.3938, 25.4658**.

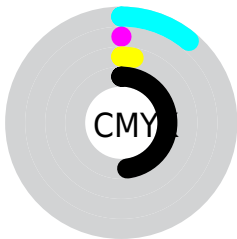
Distribution



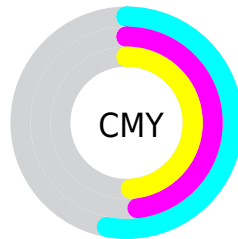
- Red (47%)
- Green (52%)
- Blue (51%)



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



- Cyan (11%)
- Magenta (0%)
- Yellow (3%)
- Black (48%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9577, 22.2820, 24.0178 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 19.9577, 22.2820, 24.0178 by changing the saturation by 10% instead.

■ 19.9577, 22.2820,
24.0178

■ 19.9577, 22.2820,
24.0178

244.5240,
264.0154, 286.1999

■ 12.4724, 14.0643,
15.1345

■ 42.8507, 47.2116,
51.0034

■ 7.1407, 8.1654,
8.7662

■ 58.9892, 64.6923,
69.9429

■ 3.5974, 4.2009,
4.4943

■ 78.7427, 86.0295,
93.0714

■ 1.4770, 1.7866,
1.9002

102.4766,
111.6074, 120.8076

■ 0.3101, 0.4788,
0.4929

130.5564,
141.8106, 153.5700

■ 0.0000, 0.0000,
0.0000

163.3473,

177.0234, 191.7772

201.2147,
217.6302, 235.8476

■ 19.9577, 22.2820,
24.0178

■ 19.9577, 22.2820,
24.0178

■ 18.0107, 21.3076,
22.6323

■ 22.1709, 23.3938,
25.4658

■ 16.3173, 20.4622,
21.3068

■ 24.6583, 24.6453,
26.9757

■ 14.8668, 19.7409,
20.0407

■ 27.4302, 26.0423,
28.5491

■ 13.6468, 19.1375,
18.8328

■ 30.4955, 27.5895,
30.1869

■ 12.6440, 18.6449,
17.6821

■ 33.8630, 29.2912,
31.8899

■ 11.8437, 18.2558,
16.5872

■ 37.5409, 31.1519,
33.6590

■ 11.2290, 17.9613,
15.5468

■ 41.5371, 33.1755,
35.4951

■ 10.7805, 17.7515,
14.5594

■ 45.8593, 35.3660,
37.3990

■ 10.4529, 17.6019,
13.6698

■ 50.5149, 37.7272,
39.3716

Harmonies

Analogous

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



20.1597, 22.2820, 22.3212



19.9577, 22.2820, 24.0178



20.0773, 22.2820, 25.8665

Triad

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



19.9577, 22.2820, 24.0178



21.7317, 22.2820, 27.6148



21.8824, 22.2820, 21.4150

Complementary

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



19.9577, 22.2820, 24.0178



19.8456, 19.6108, 21.4792

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.



22.3190, 22.2820, 22.7239



19.9577, 22.2820, 24.0178



22.2308, 22.2820, 26.3107

Square

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



19.9577, 22.2820, 24.0178



21.0932, 22.2820, 28.0041



22.4478, 22.2820, 24.5065



21.2638, 22.2820, 20.8678

Rectangle

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



19.9577, 22.2820, 24.0178



20.3245, 22.2820, 26.9276



22.4478, 22.2820, 24.5065



22.0558, 22.2820, 21.7771

Sweetspot

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



19.9583, 22.2829, 24.0183



38.6491, 41.3626, 44.9327



19.9150, 22.3337, 20.7142



8.6397, 9.2847, 10.0795



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.



19.9583, 22.2829, 24.0183



34.7276, 39.3949, 42.3119



19.8513, 21.6348, 25.3211



4.7464, 5.2568, 5.6756



9.9596, 16.7667, 13.0388



0.0377, 0.0593, 0.0618

Inverse Universe

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



19.8456, 19.6108, 21.4792



34.4775, 33.4621, 36.6750



19.9384, 20.1890, 20.2990



4.7233, 4.7090, 5.1551



9.5502, 4.8844, 2.2040



0.0359, 0.0181, 0.0225

Previews

White Background



This preview shows how the XYZ color 19.9577, 22.2820, 24.0178 looks on a white background.

Color Contrast Check

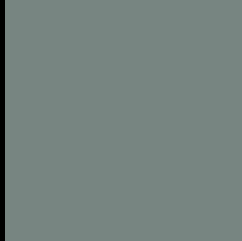
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9577, 22.2820, 24.0178 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

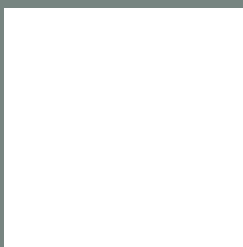
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.9577, 22.2820, 24.0178

Background



This preview shows how black text looks on a background with the XYZ color 19.9577, 22.2820, 24.0178.



This preview shows how white text looks on a background with the XYZ color 19.9577, 22.2820,

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

19.9577, 22.2820, 24.0178

Protanopia

21.3539, 22.2194, 23.2420

Deuteranopia

22.6454, 22.2842, 24.2268



Tritanopia

20.8839, 22.2505, 28.7853

Trichromacy



Original Color

19.9577, 22.2820, 24.0178

Protanomaly

20.7810, 22.1130, 23.5950

Deuteranomaly

21.7110, 22.3806, 24.2947

Tritanomaly

20.5123, 22.3017, 26.8905

Monochromacy



Original Color

19.9577, 22.2820, 24.0178

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.3364, 21.8838, 23.5742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9577, 22.2820, 24.0178 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, 133, 129) looks like.

```
.text, #text, p{  
    color:rgb(119, 133, 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(119, 133, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 133, 129) }
```

Border

The CSS property to change the border of an element to XYZ 19.9577, 22.2820, 24.0178 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, 133, 129) }
```


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

```
.border{ border-color:rgb(119, 133, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 133, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 133, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 133, 129);  
box-shadow:4px 4px 4px 4px rgb(119, 133,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9577, 22.2820, 24.0178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 133, 129) }
```

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

```
.background{ background-color: rgb(119,  
133, 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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