

Converting Colors

XYZ(19.5882, 21.8765, 22.1463)

Have a look what the booklet for
XYZ(19.5882, 21.8765, 22.1463)
contains.

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Color

**XYZ(19.6351, 21.9508,
22.2708)**

Conversions

Conversions Part 1

Format	Color
Hex	78847C
RGB	120, 132, 124
RGB Percent	47%, 52%, 49%
CMY	0.5294, 0.4823, 0.5137
CMYK	0.09, 0.00, 0.06, 0.48
HSL	140°, 5%, 49%
HSV	140°, 9%, 52%
XYZ	19.6351, 21.9508, 22.2708
YIQ	127.5000, -4.5840, -5.0320

Conversions

Conversions Part 2

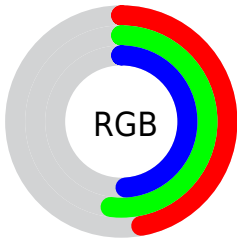
Format	Color
R_{YB}	120, 129, 132
Decimal	7898236
CIE Lab	53.97, -6.04, 2.81
CIE LCh	54, 6.661, 155.072
Yxy	21.9508, 0.3075, 0.3438
Android (android.graphics.Color)	4286088316 (0xFF78847C)
YUV	127.5000, -1.7255, -6.5775
Hunter-Lab	46.8517, -7.1828, 4.6129

Details

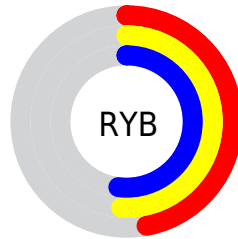
The XYZ color **19.6351, 21.9508, 22.2708** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **20.1293, 19.8976, 23.2029**, and the grayscale version is **20.3523, 21.4122, 23.3179**.

A 20% lighter version of the original color is **42.1987, 46.6032, 47.8455**, and **7.0357, 8.0722, 7.8439** is the 20% darker color. If you saturate the color by 10%, you get **17.3972, 20.8592, 19.3893**, and if you desaturate by 10%, it is **22.1764, 23.1943, 25.4268**.

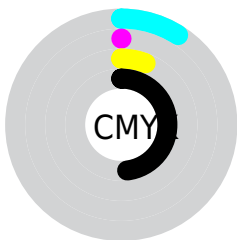
Distribution



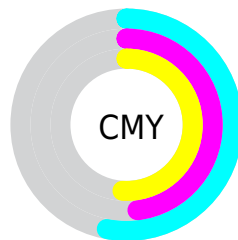
- Red (47%)
- Green (52%)
- Blue (49%)



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



- Cyan (9%)
- Magenta (0%)
- Yellow (6%)
- Black (48%)



- Cyan (53%)
- Magenta (48%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6351, 21.9508, 22.2708 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 19.6351, 21.9508, 22.2708 by changing the saturation by 10% instead.

■ 19.6351, 21.9508,
22.2708

■ 19.6351, 21.9508,
22.2708

242.8042,
262.2892, 276.9567

■ 12.2368, 13.8208,
13.8558

■ 42.3132, 46.6647,
48.1011

■ 6.9785, 7.9961,
7.8828

■ 58.3237, 64.0173,
66.3534

■ 3.4949, 4.0925,
3.9334

■ 77.9356, 85.2129,
88.7220

■ 1.4205, 1.7254,
1.5889

101.5143,
110.6358, 115.6253

■ 0.2708, 0.4400,
0.2829

129.4252,
140.6705, 147.4819

■ 0.0000, 0.0000,
0.0000

162.0335,

175.7014, 184.7103

199.7047,
216.1129, 227.7290

■ 19.6351, 21.9508,
22.2708

■ 19.6351, 21.9508,
22.2708

■ 17.3972, 20.8592,
19.3893

■ 22.1764, 23.1943,
25.4268

■ 15.4492, 19.9109,
16.7735

■ 25.0300, 24.5923,
28.8629

■ 13.7795, 19.1005,
14.4164

■ 28.2071, 26.1510,
32.5862

■ 12.3748, 18.4215,
12.3099

■ 31.7175, 27.8754,
36.6033

■ 11.2208, 17.8667,
10.4457

■ 35.5705, 29.7702,
40.9206

■ 10.3017, 17.4280,
8.8149

■ 39.7754, 31.8399,
45.5441

■ 9.6000, 17.0967,
7.4081

■ 44.3409, 34.0890,
50.4797

■ 9.0953, 16.8624,
6.2153

■ 49.2753, 36.5216,
55.7332

■ 8.7363, 16.6989,
5.2243

■ 54.5868, 39.1418,
61.3103

Harmonies

Analogous

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



20.0794, 21.9508, 20.8051



19.6351, 21.9508, 22.2708



19.5169, 21.9508, 24.2524

Triad

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



19.6351, 21.9508, 22.2708



20.9860, 21.9508, 28.0644



22.0154, 21.9508, 21.6975

Complementary

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



19.6351, 21.9508, 22.2708



20.1293, 19.8976, 23.2029

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.



22.2708, 21.9508, 23.5524



19.6351, 21.9508, 22.2708



21.6679, 21.9508, 27.2890

Square

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



19.6351, 21.9508, 22.2708



20.2864, 21.9508, 27.6731



22.1423, 21.9508, 25.6082



21.4516, 21.9508, 20.4877

Rectangle

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



19.6351, 21.9508, 22.2708



19.6365, 21.9508, 25.6177



22.1423, 21.9508, 25.6082



22.1407, 21.9508, 22.2622

Sweetspot

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



19.6357, 21.9517, 22.2713



37.2179, 39.9525, 42.5193



20.5745, 22.4643, 21.0214



8.5872, 9.2637, 9.8028



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.



19.6357, 21.9517, 22.2713



33.6932, 38.2297, 38.0954



20.0136, 22.1029, 24.2611



4.6756, 5.2285, 5.3029



8.4316, 16.1555, 4.9923



0.0323, 0.0572, 0.0337

Inverse Universe

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



20.1293, 19.8976, 23.2029



34.7533, 33.8175, 40.0962



19.7582, 19.7492, 21.2485



4.7937, 4.7371, 5.5257



10.9221, 5.4332, 9.4278



0.0412, 0.0202, 0.0505

Previews

White Background



This preview shows how the XYZ color 19.6351, 21.9508, 22.2708 looks on a white background.

Color Contrast Check

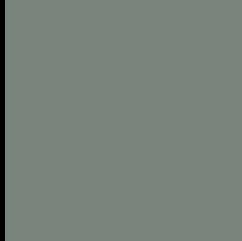
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6351, 21.9508, 22.2708 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

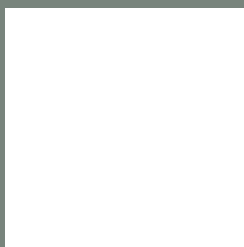
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6351, 21.9508, 22.2708

Background



This preview shows how black text looks on a background with the XYZ color 19.6351, 21.9508, 22.2708.



This preview shows how white text looks on a background with the XYZ color 19.6351, 21.9508,

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

19.6351, 21.9508, 22.2708

Protanopia

20.9049, 21.8300, 21.5242

Deuteranopia

22.1906, 21.8987, 22.4593



Tritanopia

20.8846, 22.0697, 27.9701

Trichromacy



Original Color

19.6351, 21.9508, 22.2708

Protanomaly

20.3275, 21.7198, 21.8599

Deuteranomaly

21.2524, 21.9873, 22.5259

Tritanomaly

20.4454, 22.0914, 25.7407

Monochromacy



Original Color

19.6351, 21.9508, 22.2708

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1385, 21.5928, 23.1851

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6351, 21.9508, 22.2708 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, 124)` looks like.

```
.text, #text, p{  
    color:rgb(120, 132, 124)  
}
```

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, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 132, 124) }
```

Border

The CSS property to change the border of an element to XYZ 19.6351, 21.9508, 22.2708 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, 124) }
```


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

```
.border{ border-color:rgb(120, 132, 124) }
```

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, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 132, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 132, 124);  
box-shadow:4px 4px 4px 4px rgb(120, 132,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6351, 21.9508, 22.2708 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, 124) }
```

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

```
.background{ background-color: rgb(120,  
132, 124) }
```

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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