

Converting Colors

XYZ(21.9271, 23.3943, 19.9754)

Have a look what the booklet for
XYZ(21.9271, 23.3943, 19.9754)
contains.

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Color

**XYZ(21.8564, 23.3544,
19.8789)**

Conversions

Conversions Part 1

Format	Color
Hex	898574
RGB	137, 133, 116
RGB Percent	54%, 52%, 45%
CMY	0.4627, 0.4784, 0.5451
CMYK	0.00, 0.03, 0.15, 0.46
HSL	49°, 8%, 50%
HSV	49°, 15%, 54%
XYZ	21.8564, 23.3544, 19.8789
YIQ	132.2580, 7.8410, -4.4390

Conversions

Conversions Part 2

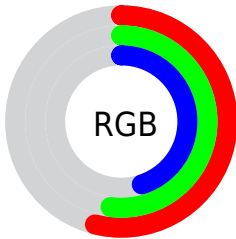
Format	Color
RYB	121, 137, 116
Decimal	9012596
CIELab	55.44, -1.59, 9.71
CIElCh	55, 9.834, 99.281
Yxy	23.3544, 0.3358, 0.3588
Android (android.graphics.Color)	4287202676 (0xFF898574)
YUV	132.2580, -8.0152, 4.1587
Hunter-Lab	48.3264, -3.8416, 9.4397

Details

The XYZ color **21.8564, 23.3544, 19.8789** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.4341, 18.9515, 26.3534**, and the grayscale version is **22.0518, 23.2002, 25.2651**.

A 20% lighter version of the original color is **45.8620, 48.8921, 44.0657**, and **8.1442, 8.7842, 6.7351** is the 20% darker color. If you saturate the color by 10%, you get **20.7652, 22.3546, 15.8692**, and if you desaturate by 10%, it is **23.0752, 24.4210, 24.5116**.

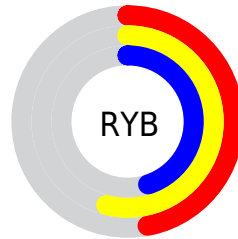
Distribution



Red (54%)

Green (52%)

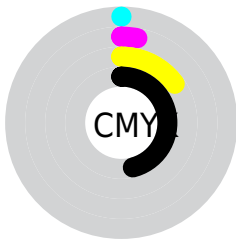
Blue (45%)



Red (47%)

Yellow (54%)

Blue (45%)

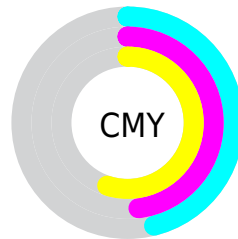


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (46%)



Cyan (46%)

Magenta (48%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8564, 23.3544, 19.8789 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 21.8564, 23.3544, 19.8789 by changing the saturation by 10% instead.

■ 21.8564, 23.3544,
19.8789

■ 21.8564, 23.3544,
19.8789

254.4419,
269.5401, 263.8413

■ 13.8674, 14.8554,
12.1238

■ 45.9892, 48.9746,
44.0704

■ 8.1096, 8.7180,
6.7045

■ 62.8637, 66.8646,
61.3438

■ 4.2176, 4.5577,
3.2024

■ 83.4307, 88.6537,
82.6272

■ 1.8259, 1.9902,
1.1989

108.0557,
114.7264, 108.3390

■ 0.5332, 0.6017,
0.0000

137.1040,
145.4669, 138.8978

■ 0.0000, 0.0000,
0.0000

170.9409,

181.2598, 174.7220

209.9317,
222.4894, 216.2304

■ 21.8564, 23.3544,
19.8789

■ 21.8564, 23.3544,
19.8789

■ 20.7652, 22.3546,
15.8692

■ 23.0752, 24.4210,
24.5116

■ 19.7947, 21.4164,
12.4541

■ 24.4247, 25.5534,
29.7912

■ 18.9398, 20.5384,
9.6049

■ 25.9101, 26.7545,
35.7421

■ 18.1946, 19.7181,
7.2903

■ 27.5358, 28.0262,
42.3871

■ 17.5524, 18.9528,
5.4758

■ 29.3060, 29.3702,
49.7477

■ 17.0058, 18.2394,
4.1226

■ 31.2245, 30.7883,
57.8448

■ 16.5463, 17.5745,
3.1867

■ 33.2953, 32.2821,
66.6982

■ 16.1619, 16.9529,
2.6042

■ 35.5221, 33.8531,
76.3270

■ 15.9931, 16.6715,
2.3750

■ 37.9084, 35.5028,
86.7496

Harmonies

Analogous

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



22.9586, 23.3544, 20.1467



21.8564, 23.3544, 19.8789



20.8781, 23.3544, 20.9996

Triad

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



21.8564, 23.3544, 19.8789



20.5918, 23.3544, 29.4836



24.2470, 23.3544, 27.6453

Complementary

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



21.8564, 23.3544, 19.8789



18.4341, 18.9515, 26.3534

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.



23.5716, 23.3544, 30.4411



21.8564, 23.3544, 19.8789



21.4537, 23.3544, 31.5622

Square

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



21.8564, 23.3544, 19.8789



20.1641, 23.3544, 26.4241



22.5424, 23.3544, 31.9264



24.3635, 23.3544, 24.4592

Rectangle

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



21.8564, 23.3544, 19.8789



20.4190, 23.3544, 22.4427



22.5424, 23.3544, 31.9264



24.0767, 23.3544, 28.6690

Sweetspot

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



21.8570, 23.3554, 19.8794



41.3735, 43.7764, 44.0888



19.9644, 19.1704, 20.4813



9.2487, 9.7921, 9.7686



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.



21.8570, 23.3554, 19.8794



38.5182, 41.2630, 33.2797



21.4118, 23.9537, 20.0183



5.3515, 5.6859, 5.3678



14.9057, 15.5457, 2.2150



0.1087, 0.1226, 0.0179

Inverse Universe

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



18.4341, 18.9515, 26.3534



31.3132, 31.9936, 46.9082



18.8296, 18.4568, 26.2370



4.8467, 5.0364, 6.3225



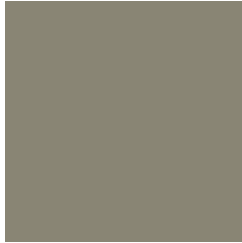
4.5587, 2.3878, 22.2663



0.0385, 0.0322, 0.1506

Previews

White Background



This preview shows how the XYZ color 21.8564, 23.3544, 19.8789 looks on a white background.

Color Contrast Check

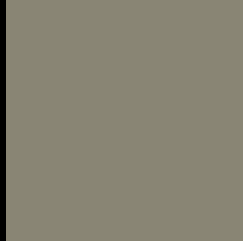
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8564, 23.3544, 19.8789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

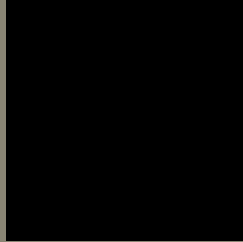
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.8564, 23.3544, 19.8789

Background



This preview shows how black text looks on a background with the XYZ color 21.8564, 23.3544, 19.8789.



This preview shows how white text looks on a background with the XYZ color 21.8564, 23.3544,

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

21.8564, 23.3544, 19.8789

Protanopia

22.0511, 23.2524, 19.8490

Deuteranopia

23.6926, 23.3020, 20.0786



Tritanopia

23.5315, 23.4342, 28.0939

Trichromacy



Original Color

21.8564, 23.3544, 19.8789

Protanomaly

21.8849, 23.1668, 19.8412

Deuteranomaly

23.0476, 23.3606, 20.1239

Tritanomaly

22.8605, 23.3603, 24.7768

Monochromacy



Original Color

21.8564, 23.3544, 19.8789

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

21.8487, 23.0772, 23.0415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8564, 23.3544, 19.8789 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(137, 133, 116)` looks like.

```
.text, #text, p{  
    color:rgb(137, 133, 116)  
}
```

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(137, 133, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 133, 116) }
```

Border

The CSS property to change the border of an element to XYZ 21.8564, 23.3544, 19.8789 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(137, 133, 116) }
```


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

```
.border{ border-color:rgb(137, 133, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 133, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 133, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 133, 116);  
box-shadow:4px 4px 4px 4px rgb(137, 133,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8564, 23.3544, 19.8789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 133, 116) }
```

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

```
.background{ background-color: rgb(137,  
133, 116) }
```

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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