

Converting Colors

XYZ(19.7406, 22.1156, 19.4437)

Have a look what the booklet for
XYZ(19.7406, 22.1156, 19.4437)
contains.

XYZ(19.6580, 22.0254, 19.4349)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.6580, 22.0254,
19.4349)**

Conversions

Conversions Part 1

Format	Color
Hex	7C8473
RGB	124, 132, 115
RGB Percent	49%, 52%, 45%
CMY	0.5137, 0.4823, 0.5490
CMYK	0.06, 0.00, 0.13, 0.48
HSL	88°, 7%, 48%
HSV	88°, 13%, 52%
XYZ	19.6580, 22.0254, 19.4349
YIQ	127.6700, 0.6890, -6.9830

Conversions

Conversions Part 2

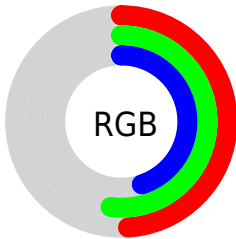
Format	Color
R_YB	115, 132, 123
Decimal	8160371
CIE Lab	54.05, -6.27, 8.17
CIE LCh	54, 10.300, 127.474
Yxy	22.0254, 0.3216, 0.3604
Android (android.graphics.Color)	4286350451 (0xFF7C8473)
YUV	127.6700, -6.2463, -3.2186
Hunter-Lab	46.9312, -7.3617, 8.2990

Details

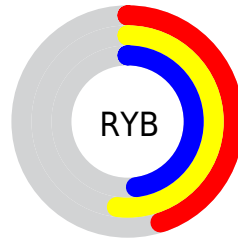
The XYZ color **19.6580, 22.0254, 19.4349** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **18.4647, 18.1389, 24.3589**, and the grayscale version is **20.4248, 21.4885, 23.4010**.

A 20% lighter version of the original color is **42.4555, 46.8351, 43.3616**, and **7.0080, 8.0876, 6.5019** is the 20% darker color. If you saturate the color by 10%, you get **18.0826, 21.2955, 15.6760**, and if you desaturate by 10%, it is **21.4000, 22.8299, 23.7704**.

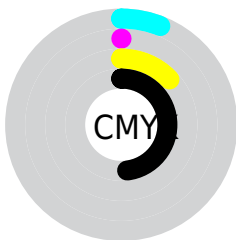
Distribution



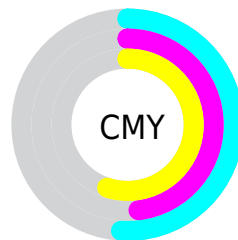
- Red (49%)
- Green (52%)
- Blue (45%)



- Red (45%)
- Yellow (52%)
- Blue (48%)



- Cyan (6%)
- Magenta (0%)
- Yellow (13%)
- Black (48%)



- Cyan (51%)
- Magenta (48%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6580, 22.0254, 19.4349 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 19.6580, 22.0254, 19.4349 by changing the saturation by 10% instead.

■ 19.6580, 22.0254,
19.4349

■ 19.6580, 22.0254,
19.4349

242.9266,
262.6789, 261.3415

■ 12.2535, 13.8756,
11.8050

■ 42.3514, 46.7880,
43.3141

■ 6.9900, 8.0342,
6.4901

■ 58.3710, 64.1695,
60.4005

■ 3.5021, 4.1168,
3.0717

■ 77.9930, 85.3970,
81.4761

■ 1.4245, 1.7391,
1.1314

101.5828,
110.8550, 106.9595

■ 0.2736, 0.4488,
0.0000

129.5056,
140.9278, 137.2692

■ 0.0000, 0.0000,
0.0000

162.1270,

175.9998, 172.8237

199.8122,
216.4553, 214.0417

■ 19.6580, 22.0254,
19.4349

■ 19.6580, 22.0254,
19.4349

■ 18.0826, 21.2955,
15.6760

■ 21.4000, 22.8299,
23.7704

■ 16.6664, 20.6349,
12.4680

■ 23.3121, 23.7084,
28.7038

■ 15.4039, 20.0421,
9.7853

■ 25.4000, 24.6640,
34.2573

■ 14.2887, 19.5145,
7.5998

■ 27.6686, 25.6988,
40.4514

■ 13.3140, 19.0490,
5.8808

■ 30.1224, 26.8146,
47.3056

■ 12.4719, 18.6425,
4.5941

■ 32.7659, 28.0134,
54.8387

■ 11.7541, 18.2915,
3.7008

■ 35.6036, 29.2970,
63.0687

■ 11.1504, 17.9917,
3.1550

■ 38.6394, 30.6672,
72.0128

■ 10.7686, 17.8009,
2.8683

■ 41.8774, 32.1257,
81.6879

Harmonies

Analogous

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



20.6571, 22.0254, 18.3986



19.6580, 22.0254, 19.4349



19.0174, 22.0254, 21.7074

Triad

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



19.6580, 22.0254, 19.4349



20.1245, 22.0254, 30.1072



23.1312, 22.0254, 23.1927

Complementary

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



19.6580, 22.0254, 19.4349



18.4647, 18.1389, 24.3589

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.



22.9763, 22.0254, 26.4100



19.6580, 22.0254, 19.4349



21.2144, 22.0254, 30.5939

Square

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



19.6580, 22.0254, 19.4349



19.2799, 22.0254, 27.9116



22.2651, 22.0254, 29.1880



22.6811, 22.0254, 20.4395

Rectangle

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



19.6580, 22.0254, 19.4349



18.8664, 22.0254, 23.7125



22.2651, 22.0254, 29.1880



23.1484, 22.0254, 24.2533

Sweetspot

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



19.6586, 22.0264, 19.4354



37.3074, 40.0348, 40.8907



19.6857, 20.2935, 19.0995



8.6364, 9.2981, 9.3952



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.



19.6586, 22.0264, 19.4354



33.9188, 38.4697, 32.5158



18.4914, 21.4246, 19.3808



4.8341, 5.3170, 5.0009



10.4324, 17.2380, 2.7774



0.0446, 0.0641, 0.0100

Inverse Universe

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



18.4647, 18.1389, 24.3589



31.4559, 30.4501, 42.6727



19.7237, 18.7880, 24.4178



4.6274, 4.6440, 5.8532



5.9699, 2.6117, 21.3262



0.0290, 0.0133, 0.0743

Previews

White Background



This preview shows how the XYZ color 19.6580, 22.0254, 19.4349 looks on a white background.

Color Contrast Check

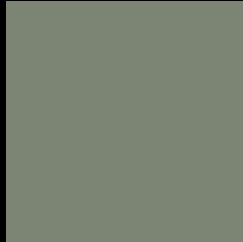
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.6580, 22.0254, 19.4349 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

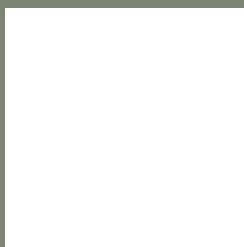
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6580, 22.0254, 19.4349

Background



This preview shows how black text looks on a background with the XYZ color 19.6580, 22.0254, 19.4349.



This preview shows how white text looks on a background with the XYZ color 19.6580, 22.0254,

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

19.6580, 22.0254, 19.4349

Protanopia

20.8226, 22.0437, 18.7802

Deuteranopia

22.2726, 21.8106, 19.8656



Tritanopia

21.4125, 22.1538, 27.5736

Trichromacy



Original Color

19.6580, 22.0254, 19.4349

Protanomaly

20.3800, 22.0055, 19.0929

Deuteranomaly

21.2230, 21.8430, 19.6205

Tritanomaly

20.7643, 22.0890, 24.2883

Monochromacy



Original Color

19.6580, 22.0254, 19.4349

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.1778, 21.6426, 21.8528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6580, 22.0254, 19.4349 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(124, 132, 115)` looks like.

```
.text, #text, p{  
    color:rgb(124, 132, 115)  
}
```

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(124, 132, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 132, 115) }
```

Border

The CSS property to change the border of an element to XYZ 19.6580, 22.0254, 19.4349 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(124, 132, 115) }
```


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

```
.border{ border-color:rgb(124, 132, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 132, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 132, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 132, 115);  
box-shadow:4px 4px 4px 4px rgb(124, 132,  
115) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6580, 22.0254, 19.4349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 132, 115) }
```

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

```
.background{ background-color: rgb(124,  
132, 115) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor