

Converting Colors

XYZ(21.8423, 21.1570, 18.3204)

Have a look what the booklet for
XYZ(21.8423, 21.1570, 18.3204)
contains.

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Color

**XYZ(21.7946, 21.0476,
18.2431)**

Conversions

Conversions Part 1

Format	Color
Hex	937970
RGB	147, 121, 112
RGB Percent	58%, 47%, 44%
CMY	0.4235, 0.5255, 0.5608
CMYK	0.00, 0.18, 0.24, 0.42
HSL	15°, 14%, 51%
HSV	15°, 24%, 58%
XYZ	21.7946, 21.0476, 18.2431
YIQ	127.7480, 18.3850, 2.7130

Conversions

Conversions Part 2

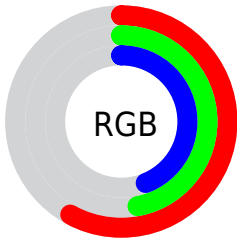
Format	Color
R_{YB}	147, 124, 112
Decimal	9664880
CIE _{Lab}	53.00, 8.62, 8.71
CIE _{LCh}	53, 12.252, 45.311
Yxy	21.0476, 0.3568, 0.3446
Android (android.graphics.Color)	4287854960 (0xFF937970)
YUV	127.7480, -7.7638, 16.8840
Hunter-Lab	45.8777, 4.5121, 8.5379

Details

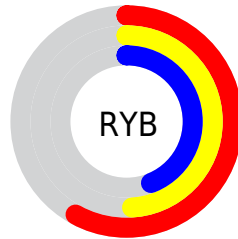
The XYZ color **21.7946, 21.0476, 18.2431** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.0368, 23.7277, 31.0750**, and the grayscale version is **20.4525, 21.5176, 23.4327**.

A 20% lighter version of the original color is **45.7318, 44.9850, 41.3946**, and **8.0666, 7.4917, 5.8714** is the 20% darker color. If you saturate the color by 10%, you get **19.7895, 18.2419, 13.8610**, and if you desaturate by 10%, it is **24.0847, 24.2091, 23.3800**.

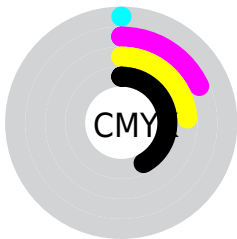
Distribution



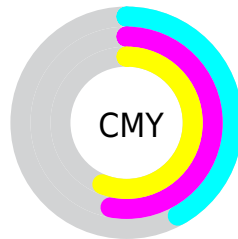
- Red (58%)
- Green (47%)
- Blue (44%)



- Red (58%)
- Yellow (49%)
- Blue (44%)



- Cyan (0%)
- Magenta (18%)
- Yellow (24%)
- Black (42%)





- Cyan (42%)
- Magenta (53%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.7946, 21.0476, 18.2431 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 21.7946, 21.0476, 18.2431 by changing the saturation by 10% instead.


 21.7946, 21.0476,
18.2431


 21.7946, 21.0476,
18.2431


254.1243,
257.5314, 254.5197


 13.8218, 13.1588,
10.9534


 45.8877, 45.1667,
41.2706


 8.0777, 7.5380,
5.9217


 62.7387, 62.1659,
57.8456

 4.1969, 3.8008,
2.7295

 83.2797, 82.9706,
78.3527

 1.8141, 1.5628,
0.9582

 107.8763,
107.9652, 103.2105

 0.5262, 0.3323,
0.0000

136.8937,
137.5342, 132.8376

 0.0000, 0.0000,
0.0000

170.6972,

172.0620, 167.6525

209.6523,
211.9329, 208.0736

■ 21.7946, 21.0476,
18.2431

■ 21.7946, 21.0476,
18.2431

■ 19.7895, 18.2419,
13.8610

■ 24.0847, 24.2091,
23.3800

■ 18.0562, 15.7766,
10.1966

■ 26.6689, 27.7354,
29.3039

■ 16.5831, 13.6393,
7.2116

■ 29.5580, 31.6389,
36.0464

■ 15.3568, 11.8158,
4.8637

■ 32.7617, 35.9303,
43.6372

■ 14.3629, 10.2907,
3.1057

■ 36.2892, 40.6202,
52.1046

■ 13.5851, 9.0474,
1.8836

■ 40.1494, 45.7185,
61.4753

■ 13.0047, 8.0673,
1.1331

■ 44.3510, 51.2348,
71.7751

■ 12.7198, 7.5773,
0.7922

■ 48.9020, 57.1785,
83.0287

■ 53.8104, 63.5586,
95.2598

Harmonies

Analogous

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



22.4856, 21.0476, 21.0980



21.7946, 21.0476, 18.2431



20.6386, 21.0476, 16.7279

Triad

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



21.7946, 21.0476, 18.2431



17.7077, 21.0476, 21.1684



20.6651, 21.0476, 30.4471

Complementary

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



21.7946, 21.0476, 18.2431



21.0368, 23.7277, 31.0750

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.



19.3848, 21.0476, 30.4712



21.7946, 21.0476, 18.2431



17.7141, 21.0476, 24.8382

Square

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



21.7946, 21.0476, 18.2431



18.2985, 21.0476, 18.2899



18.3164, 21.0476, 28.3285



21.8147, 21.0476, 28.2659

Rectangle

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



21.7946, 21.0476, 18.2431



19.7771, 21.0476, 16.5655



18.3164, 21.0476, 28.3285



20.2348, 21.0476, 30.7149

Sweetspot

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



21.7952, 21.0486, 18.2435



46.1571, 47.4900, 48.7809



22.4325, 19.6338, 26.7473



10.4817, 10.7661, 11.0094



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7952, 21.0486, 18.2435



36.8926, 34.7102, 27.9687



24.0818, 25.6219, 19.0058



5.9149, 6.0436, 6.0952



11.0451, 6.6046, 0.6927



0.1562, 0.1228, 0.0155

Inverse Universe

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



21.0368, 23.7277, 31.0750



35.2693, 40.4269, 55.3789



18.7558, 19.1656, 30.3147



5.8391, 6.3123, 7.3804



9.3447, 11.3842, 25.6359



0.1381, 0.1868, 0.3217

Previews

White Background



This preview shows how the XYZ color 21.7946, 21.0476, 18.2431 looks on a white background.

Color Contrast Check

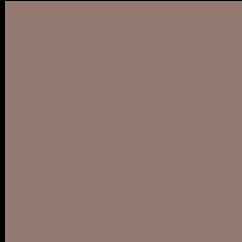
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7946, 21.0476, 18.2431 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

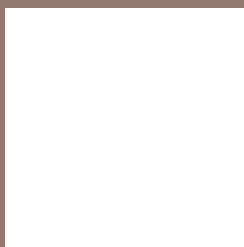
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7946, 21.0476, 18.2431

Background



This preview shows how black text looks on a background with the XYZ color 21.7946, 21.0476, 18.2431.



This preview shows how white text looks on a background with the XYZ color 21.7946, 21.0476,

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

21.7946, 21.0476, 18.2431

Protanopia

20.0711, 21.0650, 19.2278

Deuteranopia

21.3858, 21.0182, 18.2590



Tritanopia

22.8875, 21.1417, 23.2965

Trichromacy



Original Color

21.7946, 21.0476, 18.2431

Protanomaly

20.5614, 20.9486, 18.8794

Deuteranomaly

21.5612, 21.1087, 18.2672

Tritanomaly

22.4421, 21.1340, 21.3088

Monochromacy



Original Color

21.7946, 21.0476, 18.2431

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.8381, 21.2233, 21.4106

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7946, 21.0476, 18.2431 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(147, 121, 112)` looks like.

```
.text, #text, p{  
    color:rgb(147, 121, 112)  
}
```

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(147, 121, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 121, 112) }
```

Border

The CSS property to change the border of an element to XYZ 21.7946, 21.0476, 18.2431 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(147, 121, 112) }
```


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

```
.border{ border-color:rgb(147, 121, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 121, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 121, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 121, 112);  
box-shadow:4px 4px 4px 4px rgb(147, 121,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7946, 21.0476, 18.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 121, 112) }
```

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

```
.background{ background-color: rgb(147,  
121, 112) }
```

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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