

Converting Colors

XYZ(21.8610, 24.5624, 22.3277)

Have a look what the booklet for
XYZ(21.8610, 24.5624, 22.3277)
contains.

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Color

**XYZ(21.8610, 24.5624,
22.3277)**

Conversions

Conversions Part 1

Format	Color
Hex	818B7B
RGB	129, 139, 123
RGB Percent	51%, 55%, 48%
CMY	0.4941, 0.4549, 0.5176
CMYK	0.07, 0.00, 0.12, 0.45
HSL	98°, 6%, 51%
HSV	98°, 12%, 55%
XYZ	21.8610, 24.5624, 22.3277
YIQ	134.1860, -0.8240, -7.0960

Conversions

Conversions Part 2

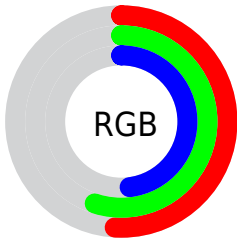
Format	Color
R_{YB}	123, 139, 133
Decimal	8489851
CIE Lab	56.65, -6.78, 7.31
CIE LCh	57, 9.976, 132.851
Yxy	24.5624, 0.3180, 0.3573
Android (android.graphics.Color)	4286679931 (0xFF818B7B)
YUV	134.1860, -5.5147, -4.5481
Hunter-Lab	49.5605, -7.9949, 7.9813

Details

The XYZ color **21.8610, 24.5624, 22.3277** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **21.4170, 21.0172, 27.3553**, and the grayscale version is **22.7488, 23.9335, 26.0636**.

A 20% lighter version of the original color is **45.8789, 50.7395, 47.9331**, and **8.1167, 9.3446, 7.8545** is the 20% darker color. If you saturate the color by 10%, you get **19.7879, 23.5879, 18.0064**, and if you desaturate by 10%, it is **24.1713, 25.6463, 27.3061**.

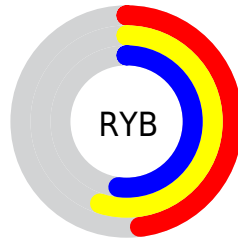
Distribution



Red (51%)

Green (55%)

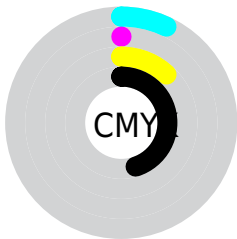
Blue (48%)



Red (48%)

Yellow (55%)

Blue (52%)

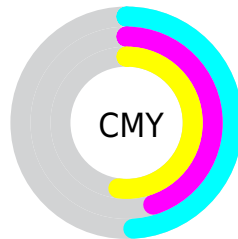


Cyan (7%)

Magenta (0%)

Yellow (12%)

Black (45%)



Cyan (49%)

Magenta (45%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8610, 24.5624, 22.3277 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 21.8610, 24.5624, 22.3277 by changing the saturation by 10% instead.

■ 21.8610, 24.5624,
22.3277

■ 21.8610, 24.5624,
22.3277

254.4656,
275.6516, 277.2620

■ 13.8708, 15.7513,
13.8973

■ 45.9967, 50.9464,
48.1961

■ 8.1120, 9.3484,
7.9113

■ 62.8730, 69.2881,
66.4712

■ 4.2191, 4.9691,
3.9513

■ 83.4420, 91.5756,
88.8649

■ 1.8268, 2.2291,
1.5987

108.0691,
118.1930, 115.7958

■ 0.5337, 0.7358,
0.2899

137.1196,
149.5250, 147.6825

■ 0.0000, 0.0000,
0.0000

170.9590,

185.9558, 184.9433

209.9525,
227.8699, 227.9970

■ 21.8610, 24.5624,
22.3277

■ 21.8610, 24.5624,
22.3277

■ 19.7879, 23.5879,
18.0064

■ 24.1713, 25.6463,
27.3061

■ 17.9420, 22.7161,
14.3133

■ 26.7243, 26.8398,
32.9659

■ 16.3155, 21.9445,
11.2195

■ 29.5280, 28.1472,
39.3320

■ 14.8995, 21.2689,
8.6933

■ 32.5891, 29.5714,
46.4275

■ 13.6843, 20.6853,
6.7001

■ 35.9144, 31.1154,
54.2747

■ 12.6592, 20.1890,
5.2016

■ 39.5101, 32.7820,
62.8947

■ 11.8126, 19.7748,
4.1541

■ 43.3825, 34.5739,
72.3079

■ 11.1310, 19.4371,
3.5065

■ 47.5374, 36.4938,
82.5340

■ 10.6552, 19.1993,
3.1443

■ 51.9806, 38.5442,
93.5917

Harmonies

Analogous

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



22.8531, 24.5624, 20.9854



21.8610, 24.5624, 22.3277



21.2780, 24.5624, 24.9040

Triad

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



21.8610, 24.5624, 22.3277



22.6941, 24.5624, 33.3268



25.5895, 24.5624, 25.3480

Complementary

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



21.8610, 24.5624, 22.3277



21.4170, 21.0172, 27.3553

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.



25.5434, 24.5624, 28.6731



21.8610, 24.5624, 22.3277



23.8456, 24.5624, 33.4707

Square

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



21.8610, 24.5624, 22.3277



21.7479, 24.5624, 31.3298



24.8964, 24.5624, 31.7079



25.0201, 24.5624, 22.6295

Rectangle

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



21.8610, 24.5624, 22.3277



21.1875, 24.5624, 27.0634



24.8964, 24.5624, 31.7079



25.6460, 24.5624, 26.4277

Sweetspot

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



21.8617, 24.5635, 22.3282



42.6138, 45.6118, 47.4346



22.5929, 23.6586, 22.1150



9.7450, 10.4753, 10.7687



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



21.8617, 24.5635, 22.3282



38.0696, 43.4798, 37.7067



21.0949, 24.1545, 22.9083



5.1375, 5.6936, 5.3806



9.6342, 17.3366, 2.8385



0.0793, 0.1231, 0.0196

Inverse Universe

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



21.4170, 21.0172, 27.3553



37.0983, 35.7351, 48.6852



22.2563, 21.4655, 26.6885



5.0552, 5.0369, 6.3116



7.7633, 3.5162, 22.3152



0.0678, 0.0317, 0.1490

Previews

White Background



This preview shows how the XYZ color 21.8610, 24.5624, 22.3277 looks on a white background.

Color Contrast Check

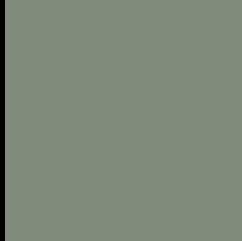
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8610, 24.5624, 22.3277 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

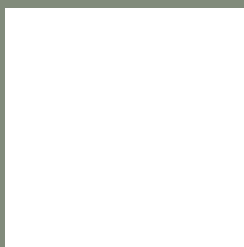
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8610, 24.5624, 22.3277

Background



This preview shows how black text looks on a background with the XYZ color 21.8610, 24.5624, 22.3277.



This preview shows how white text looks on a background with the XYZ color 21.8610, 24.5624,

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

21.8610, 24.5624, 22.3277

Protanopia

23.2705, 24.4592, 21.5838

Deuteranopia

24.9548, 24.4856, 22.8130



Tritanopia

23.6653, 24.6702, 30.7087

Trichromacy



Original Color

21.8610, 24.5624, 22.3277

Protanomaly

22.6335, 24.3318, 21.9160

Deuteranomaly

23.6648, 24.4347, 22.5379

Tritanomaly

23.0488, 24.6318, 27.5844

Monochromacy



Original Color

21.8610, 24.5624, 22.3277

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

22.3491, 24.1256, 24.5979

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8610, 24.5624, 22.3277 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(129, 139, 123)` looks like.

```
.text, #text, p{  
    color:rgb(129, 139, 123)  
}
```

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(129, 139, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 139, 123) }
```

Border

The CSS property to change the border of an element to XYZ 21.8610, 24.5624, 22.3277 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(129, 139, 123) }
```


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

```
.border{ border-color:rgb(129, 139, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 139, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 139, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 139, 123);  
box-shadow:4px 4px 4px 4px rgb(129, 139,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8610, 24.5624, 22.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 139, 123) }
```

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

```
.background{ background-color: rgb(129,  
139, 123) }
```

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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