

Converting Colors

XYZ(24.4580, 22.8910, 51.3879)

Have a look what the booklet for
XYZ(24.4580, 22.8910, 51.3879)
contains.

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Color

**XYZ(24.3824, 22.7748,
51.2550)**

Conversions

Conversions Part 1

Format	Color
Hex	777FBD
RGB	119, 127, 189
RGB Percent	47%, 50%, 74%
CMY	0.5333, 0.5020, 0.2588
CMYK	0.37, 0.33, 0.00, 0.26
HSL	233°, 35%, 60%
HSV	233°, 37%, 74%
XYZ	24.3824, 22.7748, 51.2550
YIQ	131.6760, -24.6700, 17.5860

Conversions

Conversions Part 2

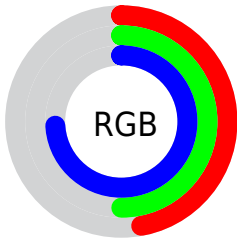
Format	Color
R_{YB}	119, 126, 189
Decimal	7831485
CIE _{Lab}	54.84, 12.36, -33.44
CIE _{LCh}	55, 35.653, 290.277
Y _{xy}	22.7748, 0.2478, 0.2314
Android (android.graphics.Color)	4286021565 (0xFF777FBD)
Y _{UV}	131.6760, 28.2607, -11.1169
Hunter-Lab	47.7230, 7.6833, -30.2721

Details

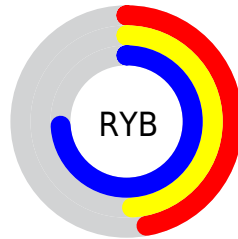
The XYZ color **24.3824, 22.7748, 51.2550** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.8405, 45.1991, 24.0254**, and the grayscale version is **21.7242, 22.8555, 24.8897**.

A 20% lighter version of the original color is **50.1894, 48.1806, 93.8433**, and **9.4123, 8.3913, 24.0453** is the 20% darker color. If you saturate the color by 10%, you get **20.0566, 17.5979, 50.4842**, and if you desaturate by 10%, it is **29.5849, 28.9378, 52.1708**.

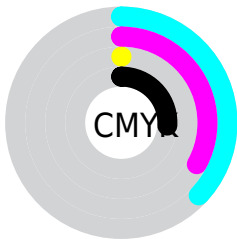
Distribution



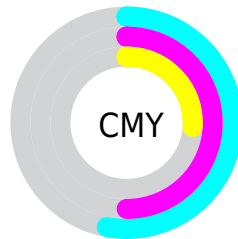
- Red (47%)
- Green (50%)
- Blue (74%)



- Red (47%)
- Yellow (49%)
- Blue (74%)



- Cyan (37%)
- Magenta (33%)
- Yellow (0%)
- Black (26%)



- Cyan (53%)
- Magenta (50%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3824, 22.7748, 51.2550 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 24.3824, 22.7748, 51.2550 by changing the saturation by 10% instead.

■ 24.3824, 22.7748,
51.2550

■ 24.3824, 22.7748,
51.2550

267.1528,
266.5662, 408.4285

■ 15.7438, 14.4273,
36.0335

■ 50.1037, 48.0233,
93.4470

■ 9.4327, 8.4185,
24.1701

■ 67.9170, 65.6931,
121.2544

■ 5.0839, 4.3639,
15.2465

■ 89.5193, 87.2391,
154.0943

■ 2.3318, 1.8791,
8.8440

115.2760,
113.0457, 192.3851

■ 0.8109, 0.5358,
4.5442

145.5523,
143.4973, 236.5454

■ 0.0000, 0.0000,
1.9284

180.7136,

■ 0.0000, 0.0000,

178.9784, 286.9937

0.5107

221.1254,
219.8732, 344.1486

■ 0.0000, 0.0000,
0.0000

■ 24.3824, 22.7748,
51.2550

■ 24.3824, 22.7748,
51.2550

■ 20.0566, 17.5979,
50.4842

■ 29.5849, 28.9378,
52.1708

■ 16.5565, 13.3531,
49.8493

■ 35.7062, 36.1317,
53.2367

■ 13.8297, 9.9854,
49.3430

■ 42.7890, 44.4020,
54.4598

■ 11.8167, 7.4326,
48.9564

■ 50.8722, 53.7905,
55.8459

■ 10.4490, 5.6243,
48.6794

■ 59.9927, 64.3367,
57.4008

■ 9.6375, 4.4742,
48.5002

■ 70.1856, 76.0784,
59.1300

■ 9.4647, 4.2328,
48.4627

■ 81.4843, 89.0514,
61.0385

■ 86.1854, 96.4542,
62.2196

Harmonies

Analogous

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



20.3913, 22.7748, 52.9510



24.3824, 22.7748, 51.2550



28.0184, 22.7748, 41.4260

Triad

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



24.3824, 22.7748, 51.2550



26.8632, 22.7748, 11.5645



15.0002, 22.7748, 21.3083

Complementary

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



24.3824, 22.7748, 51.2550



40.8405, 45.1991, 24.0254

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.



16.3227, 22.7748, 13.3477



24.3824, 22.7748, 51.2550



22.9527, 22.7748, 8.9614

Square

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



24.3824, 22.7748, 51.2550



29.5670, 22.7748, 18.0076



19.1238, 22.7748, 9.4962



15.2846, 22.7748, 33.1109

Rectangle

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



24.3824, 22.7748, 51.2550



29.5979, 22.7748, 32.8720



19.1238, 22.7748, 9.4962



15.2647, 22.7748, 18.1676

Sweetspot

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



24.3832, 22.7757, 51.2555



71.1692, 73.1523, 96.5950



34.1294, 43.6470, 50.2529



14.9347, 15.2991, 20.7085



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



24.3832, 22.7757, 51.2555



37.5923, 33.5271, 90.7163



27.6074, 22.9644, 51.1220



9.1020, 9.3963, 12.0061



6.3976, 2.9069, 32.6168



0.2800, 0.1727, 1.2874

Inverse Universe

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



31.4145, 25.5456, 23.3546



52.0012, 39.4755, 33.4793



36.4622, 45.4265, 24.3001



9.5733, 9.5536, 10.1421



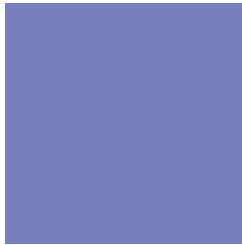
14.2300, 7.3231, 1.2387



0.5723, 0.2928, 0.1268

Previews

White Background



This preview shows how the XYZ color 24.3824, 22.7748, 51.2550 looks on a white background.

Color Contrast Check

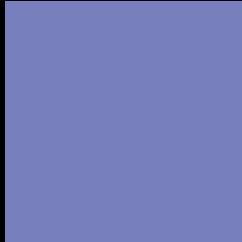
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3824, 22.7748, 51.2550 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 24.3824, 22.7748, 51.2550

Background



This preview shows how black text looks on a background with the XYZ color 24.3824, 22.7748, 51.2550.



This preview shows how white text looks on a background with the XYZ color 24.3824, 22.7748,

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

24.3824, 22.7748, 51.2550

Protanopia

23.8098, 22.8416, 52.4442

Deuteranopia

23.3664, 22.8473, 50.7554



Tritanopia

20.1590, 22.6545, 30.5044

Trichromacy



Original Color

24.3824, 22.7748, 51.2550

Protanomaly

23.9529, 22.7335, 51.8407

Deuteranomaly

23.7374, 22.8421, 50.7348

Tritanomaly

21.5829, 22.6219, 37.4113

Monochromacy



Original Color

24.3824, 22.7748, 51.2550

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.4848, 22.7772, 33.3484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3824, 22.7748, 51.2550 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(119, 127, 189)` looks like.

```
.text, #text, p{  
    color:rgb(119, 127, 189)  
}
```

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(119, 127, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 127, 189) }
```

Border

The CSS property to change the border of an element to XYZ 24.3824, 22.7748, 51.2550 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(119, 127, 189) }
```


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

```
.border{ border-color:rgb(119, 127, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 127, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 127, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 127, 189); box-shadow:4px 4px 4px 4px rgb(119, 127, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3824, 22.7748, 51.2550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 127, 189) }
```

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

```
.background{ background-color: rgb(119,  
127, 189) }
```

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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