

Converting Colors

XYZ(24.2651, 21.7560, 54.0776)

Have a look what the booklet for
XYZ(24.2651, 21.7560, 54.0776)
contains.

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Color

**XYZ(24.1684, 21.6657,
53.9470)**

Conversions

Conversions Part 1

Format	Color
Hex	767AC2
RGB	118, 122, 194
RGB Percent	46%, 48%, 76%
CMY	0.5372, 0.5216, 0.2392
CMYK	0.39, 0.37, 0.00, 0.24
HSL	237°, 38%, 61%
HSV	237°, 39%, 76%
XYZ	24.1684, 21.6657, 53.9470
YIQ	129.0120, -25.4960, 21.5440

Conversions

Conversions Part 2

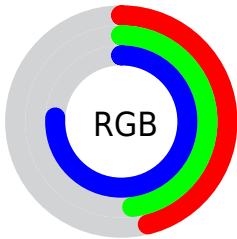
Format	Color
R_{YB}	118, 122, 194
Decimal	7764674
CIE _{Lab}	53.67, 16.46, -38.14
CIE _{LCh}	54, 41.538, 293.349
Yxy	21.6657, 0.2422, 0.2171
Android (android.graphics.Color)	4285954754 (0xFF767AC2)
YUV	129.0120, 32.0391, -9.6575
Hunter-Lab	46.5464, 11.2267, -36.1342

Details

The XYZ color **24.1684, 21.6657, 53.9470** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **43.9324, 49.6053, 24.4000**, and the grayscale version is **20.7689, 21.8505, 23.7952**.

A 20% lighter version of the original color is **49.7822, 46.1214, 97.5453**, and **9.3624, 7.9148, 25.8452** is the 20% darker color. If you saturate the color by 10%, you get **19.7525, 16.3503, 53.1542**, and if you desaturate by 10%, it is **29.5545, 28.1155, 54.9085**.

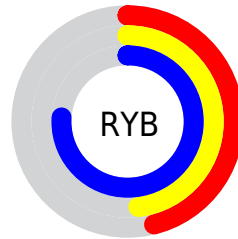
Distribution



Red (46%)

Green (48%)

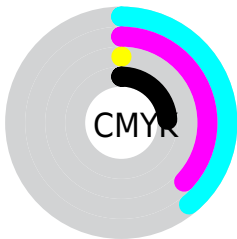
Blue (76%)



Red (46%)

Yellow (48%)

Blue (76%)

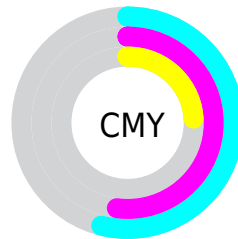


Cyan (39%)

Magenta (37%)

Yellow (0%)

Black (24%)



Cyan (54%)

Magenta (52%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1684, 21.6657, 53.9470 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 24.1684, 21.6657, 53.9470 by changing the saturation by 10% instead.

■ 24.1684, 21.6657,
53.9470

■ 24.1684, 21.6657,
53.9470

266.0954,
260.7955, 419.0768

■ 15.5840, 13.6115,
38.1664

■ 49.7575, 46.1928,
97.4520

■ 9.3192, 7.8509,
25.8090

■ 67.4930, 63.4346,
126.0136

■ 5.0088, 3.9997,
16.4563

■ 89.0095, 84.5075,
159.6725

■ 2.2872, 1.6734,
9.6898

114.6724,
109.7962, 198.8473

■ 0.7881, 0.4063,
5.0909

144.8471,
139.6849, 243.9566

■ 0.0000, 0.0000,
2.2410

179.8990,

■ 0.0000, 0.0000,

174.5581, 295.4189

0.6979

220.1933,
214.8002, 353.6528

0.0000, 0.0000,
0.0000

24.1684, 21.6657,
53.9470

24.1684, 21.6657,
53.9470

19.7525, 16.3503,
53.1542

29.5545, 28.1155,
54.9085

16.2468, 12.1015,
52.5188

35.9611, 35.7576,
56.0459

13.5884, 8.8478,
52.0309

43.4382, 44.6487,
57.3679

11.7054, 6.5081,
51.6786

52.0315, 54.8412,
58.8824

10.5140, 4.9884,
51.4480

61.7842, 66.3847,
60.5965

■ 9.8859, 4.1618,
51.3216

■ 72.7372, 79.3260,
62.5171

■ 9.8485, 4.1167,
51.3148

■ 84.9294, 93.7095,
64.6508

■ 86.7377, 96.6751,
65.1279

Harmonies

Analogous

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



19.6187, 21.6657, 57.2033



24.1684, 21.6657, 53.9470



28.2372, 21.6657, 41.4219

Triad

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



24.1684, 21.6657, 53.9470



26.1263, 21.6657, 8.8995



13.2177, 21.6657, 20.8679

Complementary

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



24.1684, 21.6657, 53.9470



43.9324, 49.6053, 24.4000

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.



14.4696, 21.6657, 11.7897



24.1684, 21.6657, 53.9470



21.5982, 21.6657, 6.6756

Square

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



24.1684, 21.6657, 53.9470



29.4764, 21.6657, 15.1595



17.3881, 21.6657, 7.5002



13.7014, 21.6657, 34.6797

Rectangle

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



24.1684, 21.6657, 53.9470



29.9123, 21.6657, 31.3203



17.3881, 21.6657, 7.5002



13.4428, 21.6657, 17.2498

Sweetspot

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



24.1692, 21.6665, 53.9475



74.4026, 75.7881, 103.1769



35.9418, 46.1069, 55.1119



15.8901, 16.1174, 22.5234



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.1692, 21.6665, 53.9475



36.8257, 30.8769, 96.4887



28.9671, 23.4260, 54.0343



9.5699, 9.8311, 12.6780



6.4939, 2.7444, 33.7441



0.2956, 0.1485, 1.4630

Inverse Universe

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



32.2402, 25.8323, 21.7000



53.5420, 39.6688, 29.6618



37.2739, 47.4762, 24.3399



10.0942, 10.0863, 10.5866



14.6738, 7.5593, 0.9284



0.6416, 0.3296, 0.0799

Previews

White Background



This preview shows how the XYZ color 24.1684, 21.6657, 53.9470 looks on a white background.

Color Contrast Check

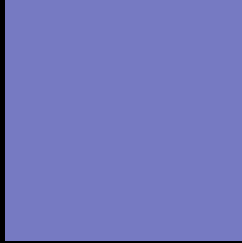
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1684, 21.6657, 53.9470 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 24.1684, 21.6657, 53.9470

Background



This preview shows how black text looks on a background with the XYZ color 24.1684, 21.6657, 53.9470.

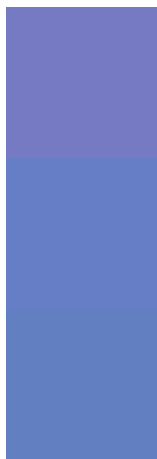


This preview shows how white text looks on a background with the XYZ color 24.1684, 21.6657,

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

24.1684, 21.6657, 53.9470

Protanopia

23.0184, 21.7777, 55.8136

Deuteranopia

22.3818, 21.8853, 53.4967



Tritanopia

19.2893, 21.8224, 29.1821

Trichromacy



Original Color

24.1684, 21.6657, 53.9470

Protanomaly

23.4818, 21.8409, 55.2026

Deuteranomaly

22.9122, 21.7752, 53.4475

Tritanomaly

20.8023, 21.6241, 37.2599

Monochromacy



Original Color

24.1684, 21.6657, 53.9470

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.6681, 21.5816, 33.1606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1684, 21.6657, 53.9470 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(118, 122, 194)` looks like.

```
.text, #text, p{  
    color:rgb(118, 122, 194)  
}
```

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(118, 122, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 122, 194) }
```

Border

The CSS property to change the border of an element to XYZ 24.1684, 21.6657, 53.9470 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(118, 122, 194) }
```


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

```
.border{ border-color:rgb(118, 122, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 122, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 122, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 122, 194);  
box-shadow:4px 4px 4px 4px rgb(118, 122,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1684, 21.6657, 53.9470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 122, 194) }
```

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

```
.background{ background-color: rgb(118,  
122, 194) }
```

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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