

# Converting Colors

XYZ(22.7954, 21.6386, 48.3226)

Have a look what the booklet for  
XYZ(22.7954, 21.6386, 48.3226)  
contains.

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# Color

**XYZ(22.7954, 21.6386,  
48.3226)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	717DB8
RGB	113, 125, 184
RGB Percent	44%, 49%, 72%
CMY	0.5568, 0.5098, 0.2784
CMYK	0.39, 0.32, 0.00, 0.28
HSL	230°, 33%, 58%
HSV	230°, 39%, 72%
XYZ	22.7954, 21.6386, 48.3226
YIQ	128.1380, -26.0910, 15.8050

# Conversions

## Conversions Part 2

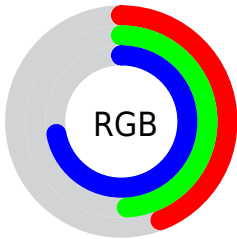
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	113, 123, 184
Decimal	7437752
CIE Lab	53.64, 10.47, -32.48
CIE LCh	54, 34.130, 287.869
Yxy	21.6386, 0.2458, 0.2333
Android (android.graphics.Color)	4285627832 (0xFF717DB8)
YUV	128.1380, 27.5400, -13.2760
Hunter-Lab	46.5173, 6.0671, -29.0289

# Details

The XYZ color **22.7954, 21.6386, 48.3226** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **37.5011, 40.8886, 21.5395**, and the grayscale version is **20.4802, 21.5468, 23.4645**.

A 20% lighter version of the original color is **47.3867, 45.9510, 88.8100**, and **8.6056, 7.7997, 22.5247** is the 20% darker color. If you saturate the color by 10%, you get **18.8749, 16.9622, 47.6270**, and if you desaturate by 10%, it is **27.4954, 27.1601, 49.1410**.

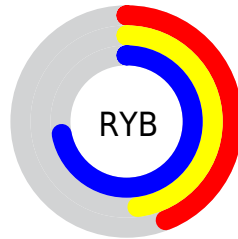
# Distribution



Red (44%)

Green (49%)

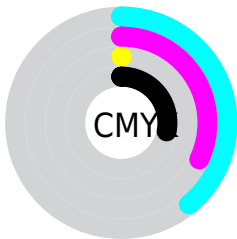
Blue (72%)



Red (44%)

Yellow (48%)

Blue (72%)

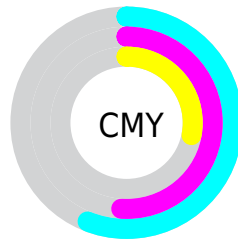


Cyan (39%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (56%)

Magenta (51%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7954, 21.6386, 48.3226 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 22.7954, 21.6386, 48.3226 by changing the saturation by 10% instead.



■ 22.7954, 21.6386,  
48.3226

■ 22.7954, 21.6386,  
48.3226

259.2274,  
260.6531, 396.6149

■ 14.5624, 13.5916,  
33.7206

■ 47.5263, 46.1480,  
89.0551

■ 8.5971, 7.8372,  
22.4034

■ 64.7549, 63.3791,  
116.0227

■ 4.5343, 3.9909,  
13.9525

■ 85.7126, 84.4404,  
147.9492

■ 2.0087, 1.6685,  
7.9493

110.7650,  
109.7162, 185.2532

■ 0.6388, 0.4031,  
3.9752

140.2773,  
139.5910, 228.3532

■ 0.0000, 0.0000,  
1.6117

174.6149,

■ 0.0000, 0.0000,

174.4492, 277.6679

0.2992

214.1431,  
214.6751, 333.6156

■ 0.0000, 0.0000,  
0.0000

■ 22.7954, 21.6386,  
48.3226

■ 22.7954, 21.6386,  
48.3226

■ 18.8749, 16.9622,  
47.6270

■ 27.4954, 27.1601,  
49.1410

■ 15.6887, 13.0861,  
47.0468

■ 33.0119, 33.5633,  
50.0862

■ 13.1907, 9.9652,  
46.5760

■ 39.3826, 40.8859,  
51.1639

■ 11.3283, 7.5488,  
46.2078

■ 46.6419, 49.1624,  
52.3788

■ 10.0407, 5.7794,  
45.9341

■ 54.8223, 58.4257,  
53.7356

■ 9.2355, 4.5797,  
45.7450

■ 63.9549, 68.7070,  
55.2388

■ 9.1443, 4.4457,  
45.7239

■ 74.0689, 80.0362,  
56.8925

■ 83.2522, 91.4414,  
58.6099

■ 85.6518, 96.2407,  
59.4098

# Harmonies

## Analogous

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



19.1275, 21.6386, 49.1678



22.7954, 21.6386, 48.3226



26.2205, 21.6386, 39.7719

# Triad

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



22.7954, 21.6386, 48.3226



25.6410, 21.6386, 11.5810



14.4424, 21.6386, 19.5858

# Complementary

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



22.7954, 21.6386, 48.3226



37.5011, 40.8886, 21.5395

# 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.



15.7906, 21.6386, 12.4896



22.7954, 21.6386, 48.3226



22.0766, 21.6386, 8.8711

# Square

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



22.7954, 21.6386, 48.3226



27.9923, 21.6386, 17.9180



18.4885, 21.6386, 9.1454



14.5864, 21.6386, 30.2789



# Rectangle

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



22.7954, 21.6386, 48.3226



27.7738, 21.6386, 31.9691



18.4885, 21.6386, 9.1454



14.7288, 21.6386, 16.7734

# Sweetspot

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



22.7962, 21.6394, 48.3231



67.0332, 69.1208, 92.0132



31.3003, 40.7319, 44.7327



14.1272, 14.5290, 19.7814



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



22.7962, 21.6394, 48.3231



35.4049, 32.1775, 86.5495



24.6273, 20.4630, 47.9995



8.6405, 8.9583, 11.3532



6.3385, 3.1367, 31.5244



0.2617, 0.1870, 1.1240



# Inverse Universe

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



29.3746, 23.4822, 22.3870



49.0925, 36.4294, 32.4912



34.9241, 43.1046, 22.1031



9.0649, 9.0363, 9.6892



13.8131, 7.0990, 1.6365



0.5062, 0.2580, 0.1592



# Previews

## White Background



This preview shows how the XYZ color 22.7954, 21.6386, 48.3226 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 22.7954, 21.6386, 48.3226 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 22.7954, 21.6386, 48.3226**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.7954, 21.6386, 48.3226.



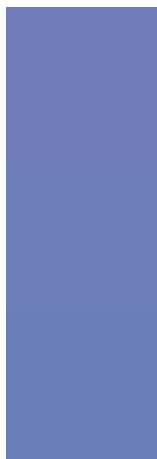
This preview shows how white text looks on a background with the XYZ color 22.7954, 21.6386,



# 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

22.7954, 21.6386, 48.3226

### Protanopia

22.5245, 21.6757, 48.8956

### Deuteranopia

22.1850, 21.7036, 48.3673



## Tritanopia

19.0151, 21.6722, 29.5665

# Trichromacy



## Original Color

22.7954, 21.6386, 48.3226

## Protanomaly

22.6482, 21.7395, 48.9014

## Deuteranomaly

22.4193, 21.6336, 48.3415

## Tritanomaly

20.3040, 21.5943, 35.8989

# Monochromacy



## Original Color

22.7954, 21.6386, 48.3226

## Achromatopsia

20.5175, 21.5861, 23.5072

## Achromatomaly

21.1030, 21.5278, 31.0600

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.7954, 21.6386, 48.3226 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(113, 125, 184)` looks like.

```
.text, #text, p{  
    color:rgb(113, 125, 184)  
}
```

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(113, 125, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 125, 184) }
```

## Border

The CSS property to change the border of an element to XYZ 22.7954, 21.6386, 48.3226 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(113, 125, 184) }
```



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

```
.border{ border-color:rgb(113, 125, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 125, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 125, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 125, 184); box-shadow:4px 4px 4px 4px rgb(113, 125, 184) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.7954, 21.6386, 48.3226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 125, 184) }
```

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

```
.background{ background-color: rgb(113,  
125, 184) }
```

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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