

Converting Colors

XYZ(23.7652, 21.2302, 53.7668)

Have a look what the booklet for
XYZ(23.7652, 21.2302, 53.7668)
contains.

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Color

**XYZ(23.7774, 21.2828,
53.8937)**

Conversions

Conversions Part 1

Format	Color
Hex	7479C2
RGB	116, 121, 194
RGB Percent	45%, 47%, 76%
CMY	0.5451, 0.5255, 0.2392
CMYK	0.40, 0.38, 0.00, 0.24
HSL	236°, 39%, 61%
HSV	236°, 40%, 76%
XYZ	23.7774, 21.2828, 53.8937
YIQ	127.8270, -26.4130, 21.6430

Conversions

Conversions Part 2

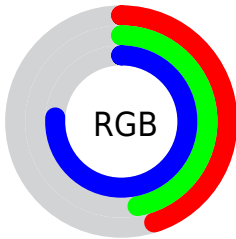
Format	Color
R_{YB}	116, 121, 194
Decimal	7633346
CIE _{Lab}	53.26, 16.53, -38.80
CIE _{LCh}	53, 42.169, 293.071
Yxy	21.2828, 0.2403, 0.2151
Android (android.graphics.Color)	4285823426 (0xFF7479C2)
YUV	127.8270, 32.6233, -10.3723
Hunter-Lab	46.1333, 11.2668, -36.9703

Details

The XYZ color **23.7774, 21.2828, 53.8937** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **43.5988, 49.1262, 23.7083**, and the grayscale version is **20.3558, 21.4159, 23.3219**.

A 20% lighter version of the original color is **49.1507, 45.5101, 97.4606**, and **9.1661, 7.7153, 25.8170** is the 20% darker color. If you saturate the color by 10%, you get **19.4601, 16.0845, 53.1183**, and if you desaturate by 10%, it is **29.0500, 27.5908, 54.8338**.

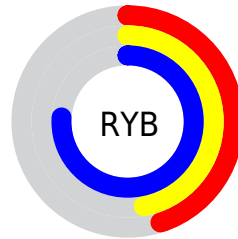
Distribution



Red (45%)

Green (47%)

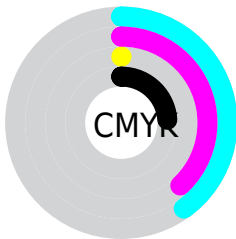
Blue (76%)



Red (45%)

Yellow (47%)

Blue (76%)

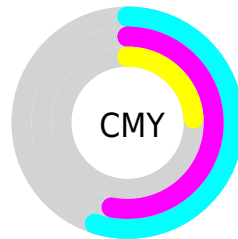


Cyan (40%)

Magenta (38%)

Yellow (0%)

Black (24%)



Cyan (55%)

Magenta (53%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7774, 21.2828, 53.8937 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 23.7774, 21.2828, 53.8937 by changing the saturation by 10% instead.

■ 23.7774, 21.2828,
53.8937

■ 23.7774, 21.2828,
53.8937

264.1546,
258.7776, 418.8677

■ 15.2924, 13.3309,
38.1241

■ 49.1240, 45.5577,
97.3730

■ 9.1125, 7.6568,
25.7764

■ 66.7164, 62.6495,
125.9197

■ 4.8723, 3.8761,
16.4322

■ 88.0752, 83.5567,
159.5626

■ 2.2065, 1.6045,
9.6728

113.5660,
108.6637, 198.7201

■ 0.7462, 0.3606,
5.0798

143.5539,
138.3549, 243.8109

■ 0.0000, 0.0000,
2.2346

178.4044,

■ 0.0000, 0.0000,

173.0147, 295.2533

0.6942

218.4828,
213.0275, 353.4661

■ 0.0000, 0.0000,
0.0000

■ 23.7774, 21.2828,
53.8937

■ 23.7774, 21.2828,
53.8937

■ 19.4601, 16.0845,
53.1183

■ 29.0500, 27.5908,
54.8338

■ 16.0387, 11.9294,
52.4966

■ 35.3279, 35.0650,
55.9456

■ 13.4506, 8.7476,
52.0189

■ 42.6606, 43.7612,
57.2376

■ 11.6243, 6.4596,
51.6735

■ 51.0934, 53.7305,
58.7174

■ 10.4761, 4.9732,
51.4471

■ 60.6691, 65.0215,
60.3921

■ 9.8745, 4.1687,
51.3235

■ 71.4282, 77.6798,
62.2684

■ 83.4092, 91.7493,
64.3526

■ 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.



19.2121, 21.2828, 57.0870



23.7774, 21.2828, 53.8937



27.8842, 21.2828, 41.2749

Triad

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



23.7774, 21.2828, 53.8937



25.8286, 21.2828, 8.5668



12.8564, 21.2828, 20.3362

Complementary

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



23.7774, 21.2828, 53.8937



43.5988, 49.1262, 23.7083

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.



14.1207, 21.2828, 11.3312



23.7774, 21.2828, 53.8937



21.2805, 21.2828, 6.3473

Square

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



23.7774, 21.2828, 53.8937



29.1848, 21.2828, 14.8225



17.0518, 21.2828, 7.1301



13.3225, 21.2828, 34.1871

Rectangle

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



23.7774, 21.2828, 53.8937



29.5878, 21.2828, 31.0823



17.0518, 21.2828, 7.1301



13.0861, 21.2828, 16.7346

Sweetspot

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



23.7782, 21.2836, 53.8942



74.4960, 75.9749, 103.2081



35.6585, 45.9626, 55.0231



15.9124, 16.1620, 22.5308



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.



23.7782, 21.2836, 53.8942



36.2832, 30.3811, 96.4216



28.5247, 22.8518, 53.9467



9.5790, 9.8493, 12.6811



6.5140, 2.7844, 33.7507



0.2997, 0.1568, 1.4643

Inverse Universe

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



31.9454, 25.3414, 21.2976



53.1244, 38.9511, 29.1601



36.9821, 47.3393, 23.7122



10.0988, 10.0881, 10.6108



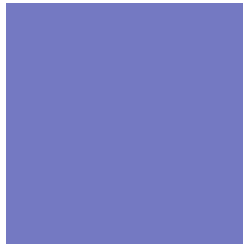
14.6839, 7.5633, 0.9816



0.6437, 0.3305, 0.0909

Previews

White Background



This preview shows how the XYZ color 23.7774, 21.2828, 53.8937 looks on a white background.

Color Contrast Check

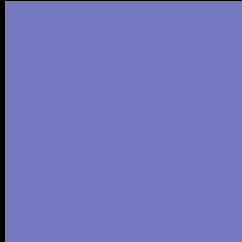
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7774, 21.2828, 53.8937 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 23.7774, 21.2828, 53.8937

Background



This preview shows how black text looks on a background with the XYZ color 23.7774, 21.2828, 53.8937.

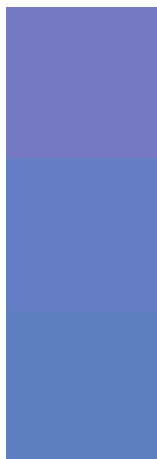


This preview shows how white text looks on a background with the XYZ color 23.7774, 21.2828,

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

23.7774, 21.2828, 53.8937

Protanopia

22.7785, 21.4652, 55.7660

Deuteranopia

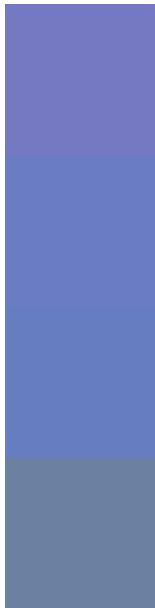
21.9343, 21.4619, 53.4386



Tritanopia

18.7273, 21.3391, 28.7230

Trichromacy



Original Color

23.7774, 21.2828, 53.8937

Protanomaly

23.1153, 21.4650, 55.1494

Deuteranomaly

22.5528, 21.4011, 53.3942

Tritanomaly

20.3365, 21.1997, 36.7383

Monochromacy



Original Color

23.7774, 21.2828, 53.8937

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3133, 21.2193, 32.6782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7774, 21.2828, 53.8937 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(116, 121, 194)` looks like.

```
.text, #text, p{  
    color:rgb(116, 121, 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(116, 121, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 121, 194) }
```

Border

The CSS property to change the border of an element to XYZ 23.7774, 21.2828, 53.8937 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(116, 121, 194) }
```


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

```
.border{ border-color:rgb(116, 121, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 121, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 121, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 121, 194);  
box-shadow:4px 4px 4px 4px rgb(116, 121,  
194) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7774, 21.2828, 53.8937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 121, 194) }
```

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

```
.background{ background-color: rgb(116,  
121, 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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