

Converting Colors

XYZ(24.5234, 22.2631, 74.2397)

Have a look what the booklet for
XYZ(24.5234, 22.2631, 74.2397)
contains.

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Color

**XYZ(24.5733, 22.3643,
74.2558)**

Conversions

Conversions Part 1

Format	Color
Hex	517FE1
RGB	81, 127, 225
RGB Percent	32%, 50%, 88%
CMY	0.6823, 0.5020, 0.1176
CMYK	0.64, 0.44, 0.00, 0.12
HSL	221°, 71%, 60%
HSV	221°, 64%, 88%
XYZ	24.5733, 22.3643, 74.2558
YIQ	124.4180, -58.8740, 20.7260

Conversions

Conversions Part 2

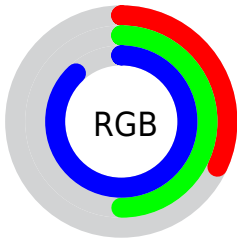
Format	Color
R _Y B	81, 116, 225
Decimal	5341153
CIE _{Lab}	54.41, 15.03, -54.64
CIE _{LCh}	54, 56.673, 285.378
Y _{xy}	22.3643, 0.2028, 0.1845
Android (android.graphics.Color)	4283531233 (0xFF517FE1)
Y _{UV}	124.4180, 49.5869, -38.0776
Hunter-Lab	47.2909, 9.9931, -59.9930

Details

The XYZ color **24.5733, 22.3643, 74.2558** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **48.6587, 48.8450, 14.6496**, and the grayscale version is **19.1523, 20.1497, 21.9430**.

A 20% lighter version of the original color is **45.4978, 45.2998, 100.9535**, and **9.9574, 8.4565, 38.6436** is the 20% darker color. If you saturate the color by 10%, you get **21.1251, 17.8707, 73.5707**, and if you desaturate by 10%, it is **28.9625, 27.7897, 75.0722**.

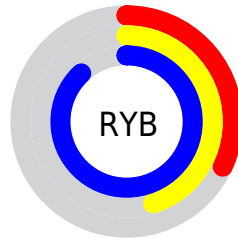
Distribution



Red (32%)

Green (50%)

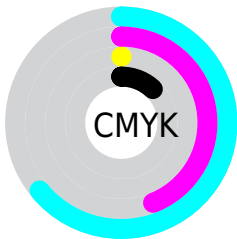
Blue (88%)



Red (32%)

Yellow (45%)

Blue (88%)

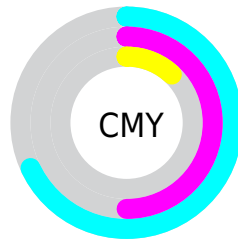


Cyan (64%)

Magenta (44%)

Yellow (0%)

Black (12%)



Cyan (68%)

Magenta (50%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5733, 22.3643, 74.2558 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 24.5733, 22.3643, 74.2558 by changing the saturation by 10% instead.

■ 24.5733, 22.3643,
74.2558

■ 24.5733, 22.3643,
74.2558

268.0932,
264.4429, 494.5427

■ 15.8865, 14.1248,
54.5054

■ 50.4120, 47.3474,
126.9957

■ 9.5342, 8.2075,
38.6099

■ 68.2947, 64.8598,
160.8223

■ 5.1511, 4.2280,
26.1509

■ 89.9732, 86.2319,
200.1781

■ 2.3719, 1.8019,
16.7098

■ 115.8132,
111.8482, 245.4815

■ 0.8311, 0.4884,
9.8680

146.1798,
142.0931, 297.1511

■ 0.0000, 0.0000,
5.2071

181.4384,

■ 0.0000, 0.0000,

177.3509, 355.6055

2.3084

221.9544,
218.0060, 421.2632

■ 0.0000, 0.0000,
0.7359

■ 0.0000, 0.0000,
0.0000

■ 24.5733, 22.3643,
74.2558

■ 24.5733, 22.3643,
74.2558

■ 21.1251, 17.8707,
73.5707

■ 28.9625, 27.7897,
75.0722

■ 18.5357, 14.2458,
73.0075

■ 34.3595, 34.1994,
76.0249

■ 16.7113, 11.4198,
72.5582

■ 40.8278, 41.6441,
77.1210

■ 15.8996, 10.0540,
72.3373

■ 48.4246, 50.1702,
78.3663

■ 57.2030, 59.8210,
79.7664

■ 67.2124, 70.6372,
81.3266

■ 78.4996, 82.6576,
83.0518

■ 88.8633, 94.7615,
84.8419

■ 90.5907, 98.2163,
85.4177

Harmonies

Analogous

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



18.3899, 22.3643, 74.5007



24.5733, 22.3643, 74.2558



30.9085, 22.3643, 57.0206

Triad

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



24.5733, 22.3643, 74.2558



30.7663, 22.3643, 7.2496



11.6908, 22.3643, 16.7163

Complementary

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



24.5733, 22.3643, 74.2558



48.6587, 48.8450, 14.6496

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.



13.8576, 22.3643, 7.3923



24.5733, 22.3643, 74.2558



24.4067, 22.3643, 4.0136

Square

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



24.5733, 22.3643, 74.2558



34.9297, 22.3643, 16.3807



18.2526, 22.3643, 4.0487



11.7181, 22.3643, 34.5602

Rectangle

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



24.5733, 22.3643, 74.2558



34.0235, 22.3643, 41.5026



18.2526, 22.3643, 4.0487



12.1650, 22.3643, 12.7265

Sweetspot

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



24.5742, 22.3650, 74.2564



69.7846, 72.6768, 104.9577



38.2555, 58.7750, 50.9250



14.2337, 14.7805, 22.3527



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.



24.5742, 22.3650, 74.2564



26.7150, 21.9033, 97.4275



22.3602, 14.3260, 72.8214



13.3076, 13.9544, 17.3798



9.2555, 5.9805, 41.7149



0.7205, 0.5724, 2.9177

Inverse Universe

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



37.8254, 23.4260, 22.6071



46.2598, 25.7416, 20.7378



52.4988, 66.8628, 17.9249



13.8867, 13.7723, 15.1738



18.6119, 9.5118, 4.6222



1.3299, 0.6752, 0.5302

Previews

White Background



This preview shows how the XYZ color 24.5733, 22.3643, 74.2558 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 24.5733, 22.3643, 74.2558 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

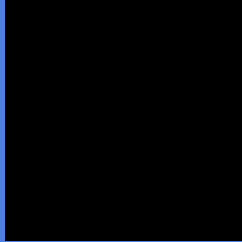
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5733, 22.3643, 74.2558

Background



This preview shows how black text looks on a background with the XYZ color 24.5733, 22.3643, 74.2558.



This preview shows how white text looks on a background with the XYZ color 24.5733, 22.3643,

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

24.5733, 22.3643, 74.2558

Protanopia

24.7532, 22.2820, 73.5172

Deuteranopia

23.1464, 22.4266, 73.6298



Tritanopia

16.5696, 22.4494, 34.0317

Trichromacy



Original Color

24.5733, 22.3643, 74.2558

Protanomaly

24.5716, 22.1883, 73.5087

Deuteranomaly

23.5515, 22.4371, 73.6105

Tritanomaly

18.8148, 22.0274, 46.4401

Monochromacy



Original Color

24.5733, 22.3643, 74.2558

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.9510, 20.4286, 36.6098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5733, 22.3643, 74.2558 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(81, 127, 225)` looks like.

```
.text, #text, p{  
    color:rgb(81, 127, 225)  
}
```

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(81, 127, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 127, 225) }
```

Border

The CSS property to change the border of an element to XYZ 24.5733, 22.3643, 74.2558 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(81, 127, 225) }
```


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

```
.border{ border-color:rgb(81, 127, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 127, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 127, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 127, 225);  
box-shadow:4px 4px 4px 4px rgb(81, 127,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5733, 22.3643, 74.2558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 127, 225) }
```

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

```
.background{ background-color: rgb(81, 127,  
225) }
```

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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