

Converting Colors

XYZ(24.3904, 22.4631, 73.4902)

Have a look what the booklet for
XYZ(24.3904, 22.4631, 73.4902)
contains.

XYZ(24.3982, 22.4824, 73.5746)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3982, 22.4824,
73.5746)**

Conversions

Conversions Part 1

Format	Color
Hex	4F80E0
RGB	79, 128, 224
RGB Percent	31%, 50%, 88%
CMY	0.6902, 0.4980, 0.1216
CMYK	0.65, 0.43, 0.00, 0.12
HSL	220°, 70%, 59%
HSV	220°, 65%, 88%
XYZ	24.3982, 22.4824, 73.5746
YIQ	124.2930, -60.0200, 19.4680

Conversions

Conversions Part 2

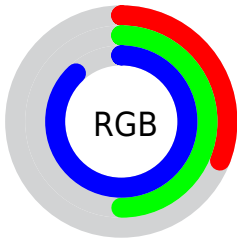
Format	Color
R_{YB}	79, 116, 224
Decimal	5210336
CIE _{Lab}	54.54, 13.74, -53.89
CIE _{LCh}	55, 55.614, 284.300
Yxy	22.4824, 0.2025, 0.1866
Android (android.graphics.Color)	4283400416 (0xFF4F80E0)
YUV	124.2930, 49.1556, -39.7220
Hunter-Lab	47.4156, 8.8717, -58.8091

Details

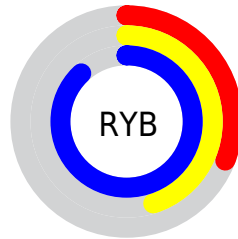
The XYZ color **24.3982, 22.4824, 73.5746** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **47.4840, 47.0754, 13.9826**, and the grayscale version is **19.1124, 20.1078, 21.8974**.

A 20% lighter version of the original color is **45.3558, 45.5252, 101.0045**, and **9.9365, 8.5645, 38.1752** is the 20% darker color. If you saturate the color by 10%, you get **21.0439, 18.0884, 72.9038**, and if you desaturate by 10%, it is **28.6647, 27.7668, 74.3702**.

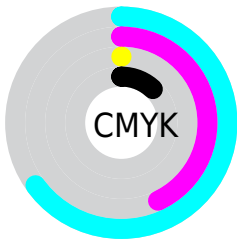
Distribution



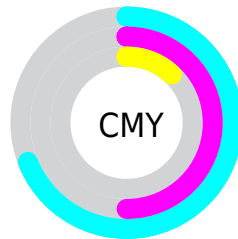
- Red (31%)
- Green (50%)
- Blue (88%)



- Red (31%)
- Yellow (45%)
- Blue (88%)



- Cyan (65%)
- Magenta (43%)
- Yellow (0%)
- Black (12%)



- Cyan (69%)
- Magenta (50%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3982, 22.4824, 73.5746 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 24.3982, 22.4824, 73.5746 by changing the saturation by 10% instead.

■ 24.3982, 22.4824,
73.5746

■ 24.3982, 22.4824,
73.5746

267.2308,
265.0552, 492.1279

■ 15.7556, 14.2118,
53.9513

■ 50.1292, 47.5420,
126.0211

■ 9.4411, 8.2681,
38.1698

■ 67.9483, 65.0998,
159.6812

■ 5.0894, 4.2670,
25.8116

■ 89.5569, 86.5221,
198.8575

■ 2.3351, 1.8240,
16.4583

■ 115.3205,
112.1933, 243.9683

■ 0.8125, 0.5021,
9.6912

145.6043,
142.4979, 295.4322

■ 0.0000, 0.0000,
5.0918

180.7737,

■ 0.0000, 0.0000,

177.8201, 353.6677

2.2415

221.1941,
218.5444, 419.0935

■ 0.0000, 0.0000,
0.6982

■ 0.0000, 0.0000,
0.0000

■ 24.3982, 22.4824,
73.5746

■ 24.3982, 22.4824,
73.5746

■ 21.0439, 18.0884,
72.9038

■ 28.6647, 27.7668,
74.3702

■ 18.5207, 14.5244,
72.3488

■ 33.9088, 33.9918,
75.2954

■ 16.7358, 11.7231,
71.9022

■ 40.1928, 41.2057,
76.3566

■ 16.0177, 10.5079,
71.7055

■ 47.5726, 49.4528,
77.5595

■ 56.1002, 58.7742,
78.9092

■ 65.8239, 69.2089,
80.4108

■ 76.7893, 80.7937,
82.0690

■ 87.8486, 92.9498,
83.8325

■ 90.4546, 98.1619,
84.7011

Harmonies

Analogous

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



18.3501, 22.4824, 73.1333



24.3982, 22.4824, 73.5746



30.6498, 22.4824, 57.2403

Triad

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



24.3982, 22.4824, 73.5746



30.9081, 22.4824, 7.7178



11.9510, 22.4824, 16.4699

Complementary

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



24.3982, 22.4824, 73.5746



47.4840, 47.0754, 13.9826

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.



14.1805, 22.4824, 7.4522



24.3982, 22.4824, 73.5746



24.7017, 22.4824, 4.2933

Square

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



24.3982, 22.4824, 73.5746



34.8653, 22.4824, 17.0859



18.6012, 22.4824, 4.2271



11.9008, 22.4824, 33.7472

Rectangle

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



24.3982, 22.4824, 73.5746



33.7728, 22.4824, 42.1226



18.6012, 22.4824, 4.2271



12.4482, 22.4824, 12.6129

Sweetspot

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



24.3991, 22.4831, 73.5752



70.0231, 73.1538, 105.0372



37.4484, 58.0013, 48.8856



14.2908, 14.8946, 22.3717



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.



24.3991, 22.4831, 73.5752



26.8076, 22.3059, 97.5003



21.5910, 13.7279, 72.0333



13.3287, 13.9965, 17.3868



9.4189, 6.3073, 41.7694



0.7337, 0.5988, 2.9222

Inverse Universe

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



37.4337, 22.9992, 22.8887



46.2535, 25.5358, 21.3310



52.4928, 66.4680, 17.4618



13.8974, 13.7766, 15.2297



18.6944, 9.5448, 5.0565



1.3366, 0.6779, 0.5653

Previews

White Background



This preview shows how the XYZ color 24.3982, 22.4824, 73.5746 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 24.3982, 22.4824, 73.5746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

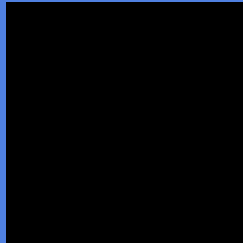
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.3982, 22.4824, 73.5746

Background



This preview shows how black text looks on a background with the XYZ color 24.3982, 22.4824, 73.5746.



This preview shows how white text looks on a background with the XYZ color 24.3982, 22.4824,

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

24.3982, 22.4824, 73.5746

Protanopia

24.9332, 22.5812, 72.8565

Deuteranopia

23.1805, 22.4599, 72.9255



Tritanopia

16.5382, 22.4235, 34.4669

Trichromacy



Original Color

24.3982, 22.4824, 73.5746

Protanomaly

24.6550, 22.4378, 72.8435

Deuteranomaly

23.5487, 22.4512, 72.9044

Tritanomaly

18.7949, 22.2291, 46.4801

Monochromacy



Original Color

24.3982, 22.4824, 73.5746

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.8631, 20.3934, 36.1471

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3982, 22.4824, 73.5746 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(79, 128, 224)` looks like.

```
.text, #text, p{  
    color:rgb(79, 128, 224)  
}
```

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(79, 128, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 128, 224) }
```

Border

The CSS property to change the border of an element to XYZ 24.3982, 22.4824, 73.5746 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(79, 128, 224) }
```


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

```
.border{ border-color:rgb(79, 128, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 128, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 128, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 128, 224);  
box-shadow:4px 4px 4px 4px rgb(79, 128,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3982, 22.4824, 73.5746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 128, 224) }
```

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

```
.background{ background-color: rgb(79, 128,  
224) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor