

Converting Colors

XYZ(24.2613, 22.4129, 46.8103)

Have a look what the booklet for
XYZ(24.2613, 22.4129, 46.8103)
contains.

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Color

**XYZ(24.2783, 22.4390,
46.7676)**

Conversions

Conversions Part 1

Format	Color
Hex	7E7DB5
RGB	126, 125, 181
RGB Percent	49%, 49%, 71%
CMY	0.5059, 0.5098, 0.2902
CMYK	0.30, 0.31, 0.00, 0.29
HSL	241°, 27%, 60%
HSV	241°, 31%, 71%
XYZ	24.2783, 22.4390, 46.7676
YIQ	131.6830, -17.3800, 17.6280

Conversions

Conversions Part 2

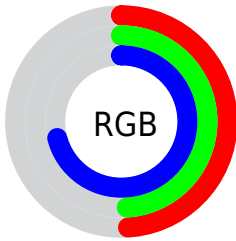
Format	Color
R_{YB}	126, 125, 181
Decimal	8289717
CIE _{Lab}	54.49, 13.41, -29.37
CIE _{LCh}	54, 32.284, 294.545
Yxy	22.4390, 0.2597, 0.2400
Android (android.graphics.Color)	4286479797 (0xFF7E7DB5)
YUV	131.6830, 24.3133, -4.9840
Hunter-Lab	47.3698, 8.5888, -25.3774

Details

The XYZ color **24.2783, 22.4390, 46.7676** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.0483, 44.2321, 25.8824**, and the grayscale version is **21.7385, 22.8706, 24.9061**.

A 20% lighter version of the original color is **50.0288, 47.6585, 86.6830**, and **9.3824, 8.2233, 21.5148** is the 20% darker color. If you saturate the color by 10%, you get **19.8000, 17.0336, 45.9607**, and if you desaturate by 10%, it is **29.6415, 28.9214, 47.7365**.

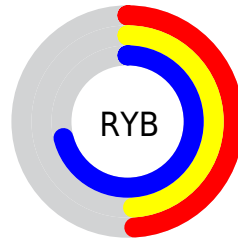
Distribution



Red (49%)

Green (49%)

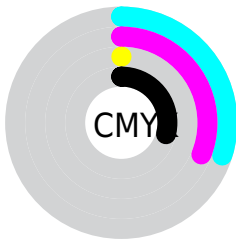
Blue (71%)



Red (49%)

Yellow (49%)

Blue (71%)

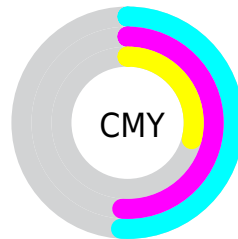


Cyan (30%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2783, 22.4390, 46.7676 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 24.2783, 22.4390, 46.7676 by changing the saturation by 10% instead.

■ 24.2783, 22.4390,
46.7676

■ 24.2783, 22.4390,
46.7676

266.6389,
264.8303, 390.2530

■ 15.6660, 14.1798,
32.4989

■ 49.9353, 47.4705,
86.7130

■ 9.3775, 8.2458,
21.4749

■ 67.7108, 65.0116,
113.2268

■ 5.0473, 4.2527,
13.2770

■ 89.2715, 86.4155,
144.6593

■ 2.3101, 1.8159,
7.4866

114.9826,
112.0666, 181.4292

■ 0.7998, 0.4970,
3.6852

145.2095,
142.3492, 223.9550

■ 0.0000, 0.0000,
1.4543

180.3176,

■ 0.0000, 0.0000,

177.6478, 272.6552

0.1835

220.6723,
218.3467, 327.9484

■ 0.0000, 0.0000,
0.0000

■ 24.2783, 22.4390,
46.7676

■ 24.2783, 22.4390,
46.7676

■ 19.8000, 17.0336,
45.9607

■ 29.6415, 28.9214,
47.7365

■ 16.1568, 12.6444,
45.3055

■ 35.9311, 36.5318,
48.8740

■ 13.2978, 9.2086,
44.7930

■ 43.1888, 45.3212,
50.1880

■ 11.1655, 6.6556,
44.4126

■ 51.4530, 55.3369,
51.6857

■ 9.6943, 4.9047,
44.1522

■ 60.7601, 66.6233,
53.3736

■ 8.8072, 3.8607,
43.9974

■ 71.1447, 79.2228,
55.2583

■ 8.3810, 3.3571,
43.9227

■ 82.6397, 93.1758,
57.3456

■ 85.3406, 96.1162,
57.7708

Harmonies

Analogous

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



20.6878, 22.4390, 49.3918



24.2783, 22.4390, 46.7676



27.3587, 22.4390, 37.5560

Triad

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



24.2783, 22.4390, 46.7676



25.5192, 22.4390, 11.7564



15.2505, 22.4390, 22.6278

Complementary

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



24.2783, 22.4390, 46.7676



39.0483, 44.2321, 25.8824

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.



16.2552, 22.4390, 14.7891



24.2783, 22.4390, 46.7676



21.9804, 22.4390, 9.7235

Square

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



24.2783, 22.4390, 46.7676



28.1288, 22.4390, 17.2037



18.6262, 22.4390, 10.6561



15.7219, 22.4390, 33.4460

Rectangle

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



24.2783, 22.4390, 46.7676



28.5743, 22.4390, 29.9966



18.6262, 22.4390, 10.6561



15.4231, 22.4390, 19.6024

Sweetspot

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



24.2791, 22.4399, 46.7681



66.5460, 68.0840, 87.9288



33.1332, 40.3661, 49.7616



14.0010, 14.2529, 18.9354



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.2791, 22.4399, 46.7681



37.9541, 33.5140, 82.7631



28.9885, 24.8677, 46.9885



8.0555, 8.2371, 10.6717



5.7840, 2.3175, 30.2795



0.1866, 0.0753, 0.9529

Inverse Universe

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



34.6284, 27.7869, 46.7184



59.4023, 44.5966, 82.6047



33.1875, 41.2107, 25.6081



8.8434, 8.6441, 10.6735



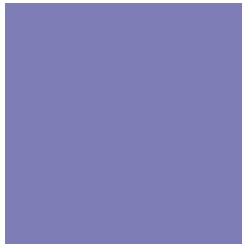
18.6634, 8.9829, 29.7169



0.5893, 0.2835, 0.9459

Previews

White Background



This preview shows how the XYZ color 24.2783, 22.4390, 46.7676 looks on a white background.

Color Contrast Check

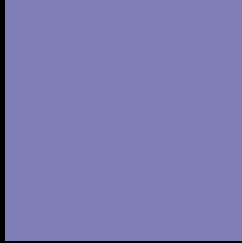
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2783, 22.4390, 46.7676 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 24.2783, 22.4390, 46.7676

Background



This preview shows how black text looks on a background with the XYZ color 24.2783, 22.4390, 46.7676.



This preview shows how white text looks on a background with the XYZ color 24.2783, 22.4390,

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

24.2783, 22.4390, 46.7676

Protanopia

23.1810, 22.4097, 48.4511

Deuteranopia

23.0279, 22.5732, 46.3234



Tritanopia

20.6804, 22.3373, 29.2081

Trichromacy



Original Color

24.2783, 22.4390, 46.7676

Protanomaly

23.6078, 22.4492, 47.8886

Deuteranomaly

23.4286, 22.5852, 46.3046

Tritanomaly

21.8212, 22.1998, 35.0332

Monochromacy



Original Color

24.2783, 22.4390, 46.7676

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.5612, 22.6483, 32.0366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2783, 22.4390, 46.7676 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(126, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(126, 125, 181)  
}
```

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(126, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.2783, 22.4390, 46.7676 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(126, 125, 181) }
```


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

```
.border{ border-color:rgb(126, 125, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 125, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(126, 125,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2783, 22.4390, 46.7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 125, 181) }
```

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

```
.background{ background-color: rgb(126,  
125, 181) }
```

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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