

Converting Colors

XYZ(24.4279, 22.9845, 46.5786)

Have a look what the booklet for
XYZ(24.4279, 22.9845, 46.5786)
contains.

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Color

**XYZ(24.2850, 22.8340,
46.3075)**

Conversions

Conversions Part 1

Format	Color
Hex	7D7FB4
RGB	125, 127, 180
RGB Percent	49%, 50%, 71%
CMY	0.5098, 0.5020, 0.2941
CMYK	0.31, 0.29, 0.00, 0.29
HSL	238°, 27%, 60%
HSV	238°, 31%, 71%
XYZ	24.2850, 22.8340, 46.3075
YIQ	132.4440, -18.2050, 16.0590

Conversions

Conversions Part 2

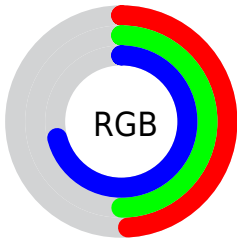
Format	Color
R _Y B	125, 127, 180
Decimal	8224692
CIE _{Lab}	54.90, 11.67, -28.16
CIE _{LCh}	55, 30.483, 292.506
Y _{xy}	22.8340, 0.2599, 0.2444
Android (android.graphics.Color)	4286414772 (0xFF7D7FB4)
Y _{UV}	132.4440, 23.4451, -6.5284
Hunter-Lab	47.7849, 7.0927, -24.0074

Details

The XYZ color **24.2850, 22.8340, 46.3075** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.4448, 43.0250, 25.6811**, and the grayscale version is **22.0157, 23.1622, 25.2236**.

A 20% lighter version of the original color is **50.0520, 48.2824, 86.0383**, and **9.3792, 8.4369, 21.2128** is the 20% darker color. If you saturate the color by 10%, you get **19.8410, 17.4993, 45.5124**, and if you desaturate by 10%, it is **29.5924, 29.1873, 47.2545**.

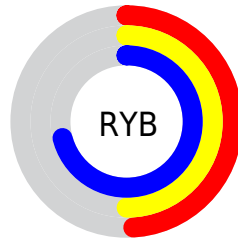
Distribution



Red (49%)

Green (50%)

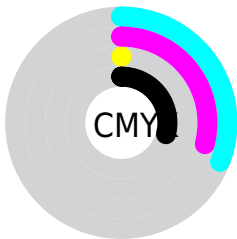
Blue (71%)



Red (49%)

Yellow (50%)

Blue (71%)

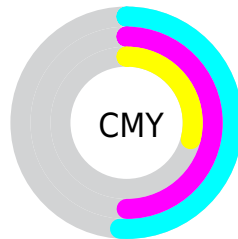


Cyan (31%)

Magenta (29%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2850, 22.8340, 46.3075 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 24.2850, 22.8340, 46.3075 by changing the saturation by 10% instead.

■ 24.2850, 22.8340,
46.3075

■ 24.2850, 22.8340,
46.3075

266.6720,
266.8712, 388.3570

■ 15.6710, 14.4710,
32.1381

■ 49.9462, 48.1206,
86.0181

■ 9.3810, 8.4490,
21.2013

■ 67.7241, 65.8130,
112.3965

■ 5.0496, 4.3835,
13.0786

■ 89.2874, 87.3840,
143.6816

■ 2.3115, 1.8903,
7.3513

115.0015,
113.2179, 180.2919

■ 0.8005, 0.5426,
3.6010

145.2316,
143.6992, 222.6461

■ 0.0000, 0.0000,
1.4091

180.3431,

■ 0.0000, 0.0000,

179.2123, 271.1626

0.1488

220.7015,
220.1415, 326.2601

■ 0.0000, 0.0000,
0.0000

■ 24.2850, 22.8340,
46.3075

■ 24.2850, 22.8340,
46.3075

■ 19.8410, 17.4993,
45.5124

■ 29.5924, 29.1873,
47.2545

■ 16.2125, 13.1277,
44.8599

■ 35.8031, 36.6054,
48.3590

■ 13.3508, 9.6626,
44.3419

■ 42.9571, 45.1350,
49.6283

■ 11.2006, 7.0403,
43.9490

■ 51.0916, 54.8193,
51.0688

■ 9.6996, 5.1889,
43.6708

■ 60.2415, 65.6990,
52.6866

■ 8.7745, 4.0245,
43.4948

■ 70.4403, 77.8131,
54.4873

■ 8.3094, 3.4375,
43.4060

■ 81.7196, 91.1984,
56.4764

■ 85.2383, 96.0753,
57.2323

Harmonies

Analogous

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



20.8670, 22.8340, 48.2375



24.2850, 22.8340, 46.3075



27.2742, 22.8340, 37.9887

Triad

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



24.2850, 22.8340, 46.3075



25.9009, 22.8340, 12.8325



15.8800, 22.8340, 22.5145

Complementary

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



24.2850, 22.8340, 46.3075



38.4448, 43.0250, 25.6811

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.



16.9474, 22.8340, 15.1727



24.2850, 22.8340, 46.3075



22.5612, 22.8340, 10.6053

Square

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



24.2850, 22.8340, 46.3075



28.2726, 22.8340, 18.4010



19.3109, 22.8340, 11.3340



16.2392, 22.8340, 32.6828

Rectangle

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



24.2850, 22.8340, 46.3075



28.5049, 22.8340, 30.8831



19.3109, 22.8340, 11.3340



16.0797, 22.8340, 19.6798

Sweetspot

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



24.2858, 22.8349, 46.3080



66.6303, 68.4158, 87.9884



32.7400, 40.1873, 47.7576



14.0216, 14.3342, 18.9500



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.



24.2858, 22.8349, 46.3080



38.1733, 34.3710, 82.9169



28.1042, 24.4236, 46.4134



8.0659, 8.2781, 10.6790



5.8102, 2.4207, 30.2980



0.1910, 0.0925, 0.9560

Inverse Universe

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



29.9874, 25.9035, 23.4990



50.2696, 40.9436, 34.5126



33.5891, 41.1170, 25.5688



8.5085, 8.5101, 8.9100



13.1674, 6.7845, 0.7754



0.4184, 0.2151, 0.0461

Previews

White Background



This preview shows how the XYZ color 24.2850, 22.8340, 46.3075 looks on a white background.

Color Contrast Check

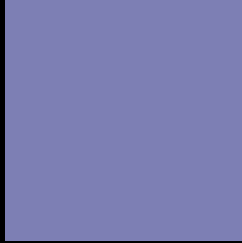
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2850, 22.8340, 46.3075 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 24.2850, 22.8340, 46.3075

Background



This preview shows how black text looks on a background with the XYZ color 24.2850, 22.8340, 46.3075.



This preview shows how white text looks on a background with the XYZ color 24.2850, 22.8340,

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

24.2850, 22.8340, 46.3075

Protanopia

23.4962, 22.7909, 47.4167

Deuteranopia

23.4554, 23.0018, 45.8514



Tritanopia

21.0304, 22.9154, 29.7002

Trichromacy



Original Color

24.2850, 22.8340, 46.3075

Protanomaly

23.6674, 22.6965, 46.8495

Deuteranomaly

23.7327, 22.9483, 45.8264

Tritanomaly

22.0873, 22.7319, 35.1219

Monochromacy



Original Color

24.2850, 22.8340, 46.3075

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.4607, 22.8023, 31.6513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2850, 22.8340, 46.3075 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(125, 127, 180)` looks like.

```
.text, #text, p{  
    color:rgb(125, 127, 180)  
}
```

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(125, 127, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 127, 180) }
```

Border

The CSS property to change the border of an element to XYZ 24.2850, 22.8340, 46.3075 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(125, 127, 180) }
```


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

```
.border{ border-color:rgb(125, 127, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 127, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 127, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 127, 180);  
box-shadow:4px 4px 4px 4px rgb(125, 127,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2850, 22.8340, 46.3075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 127, 180) }
```

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

```
.background{ background-color: rgb(125,  
127, 180) }
```

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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