

Converting Colors

XYZ(24.6149, 22.9409, 46.8737)

Have a look what the booklet for
XYZ(24.6149, 22.9409, 46.8737)
contains.

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Color

**XYZ(24.6823, 23.0270,
46.8598)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7FB5
RGB	127, 127, 181
RGB Percent	50%, 50%, 71%
CMY	0.5020, 0.5020, 0.2902
CMYK	0.30, 0.30, 0.00, 0.29
HSL	240°, 27%, 60%
HSV	240°, 30%, 71%
XYZ	24.6823, 23.0270, 46.8598
YIQ	133.1560, -17.3340, 16.7940

Conversions

Conversions Part 2

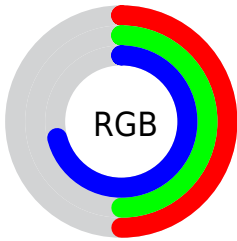
Format	Color
R_{YB}	127, 127, 181
Decimal	8355765
CIE _{Lab}	55.10, 12.53, -28.41
CIE _{LCh}	55, 31.054, 293.797
Yxy	23.0270, 0.2610, 0.2435
Android (android.graphics.Color)	4286545845 (0xFF7F7FB5)
YUV	133.1560, 23.5871, -5.3988
Hunter-Lab	47.9865, 7.8369, -24.3074

Details

The XYZ color **24.6823, 23.0270, 46.8598** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **39.4112, 44.4043, 26.5733**, and the grayscale version is **22.2731, 23.4330, 25.5186**.

A 20% lighter version of the original color is **50.6634, 48.5807, 86.8275**, and **9.6012, 8.5438, 21.5652** is the 20% darker color. If you saturate the color by 10%, you get **20.0935, 17.4978, 46.0348**, and if you desaturate by 10%, it is **30.1768, 29.6475, 47.8485**.

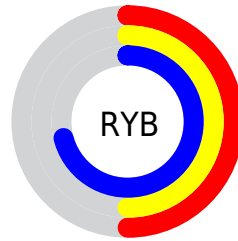
Distribution



Red (50%)

Green (50%)

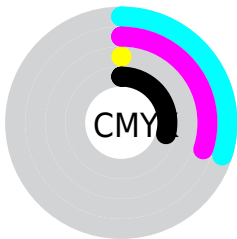
Blue (71%)



Red (50%)

Yellow (50%)

Blue (71%)

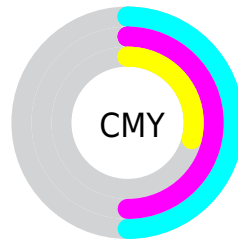


Cyan (30%)

Magenta (30%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6823, 23.0270, 46.8598 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 24.6823, 23.0270, 46.8598 by changing the saturation by 10% instead.

■ 24.6823, 23.0270,
46.8598

■ 24.6823, 23.0270,
46.8598

268.6290,
267.8636, 390.6322

■ 15.9680, 14.6134,
32.5713

■ 50.5880, 48.4377,
86.8521

■ 9.5922, 8.5485,
21.5298

■ 68.5100, 66.2035,
113.3930

■ 5.1896, 4.4479,
13.3168

■ 90.2320, 87.8557,
144.8550

■ 2.3948, 1.9271,
7.5138

116.1194,
113.7784, 181.6568

■ 0.8425, 0.5646,
3.7022

146.5374,
144.3562, 224.2169

■ 0.0000, 0.0000,
1.4634

181.8514,

■ 0.0000, 0.0000,

179.9734, 272.9538

0.1904

222.4268,
221.0144, 328.2860

■ 0.0000, 0.0000,
0.0000

■ 24.6823, 23.0270,
46.8598

■ 24.6823, 23.0270,
46.8598

■ 20.0935, 17.4978,
46.0348

■ 30.1768, 29.6475,
47.8485

■ 16.3597, 12.9988,
45.3632

■ 36.6196, 37.4107,
49.0074

■ 13.4288, 9.4672,
44.8360

■ 44.0533, 46.3677,
50.3445

■ 11.2418, 6.8320,
44.4426

■ 52.5171, 56.5661,
51.8668

■ 9.7320, 5.0128,
44.1711

■ 62.0483, 68.0506,
53.5812

■ 8.8205, 3.9145,
44.0071

■ 72.6823, 80.8638,
55.4940

■ 8.3476, 3.3447,
43.9221

■ 84.4527, 95.0465,
57.6111

■ 8.3406, 3.3362,
43.9208

■ 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.



21.1755, 23.0270, 49.1861



24.6823, 23.0270, 46.8598



27.7061, 23.0270, 38.0946

Triad

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



24.6823, 23.0270, 46.8598



26.0560, 23.0270, 12.6258



15.9162, 23.0270, 23.0696

Complementary

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



24.6823, 23.0270, 46.8598



39.4112, 44.4043, 26.5733

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.



16.9448, 23.0270, 15.4182



24.6823, 23.0270, 46.8598



22.6132, 23.0270, 10.4999

Square

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



24.6823, 23.0270, 46.8598



28.5558, 23.0270, 18.1432



19.3102, 23.0270, 11.3671



16.3459, 23.0270, 33.5735

Rectangle

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



24.6823, 23.0270, 46.8598



28.9172, 23.0270, 30.7740



19.3102, 23.0270, 11.3671



16.0991, 23.0270, 20.1227

Sweetspot

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



24.6831, 23.0279, 46.8603



66.4361, 68.0274, 87.9236



33.6174, 40.8965, 49.8384



13.9740, 14.2390, 18.9341



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.



24.6831, 23.0279, 46.8603



38.4712, 34.3314, 82.8936



29.2570, 25.3859, 47.0744



8.0420, 8.2302, 10.6711



5.7498, 2.2999, 30.2779



0.1809, 0.0724, 0.9527

Inverse Universe

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



34.9865, 28.3395, 47.3425



59.9960, 45.4279, 83.9009



33.6817, 41.4506, 26.3051



8.8501, 8.6467, 10.7089



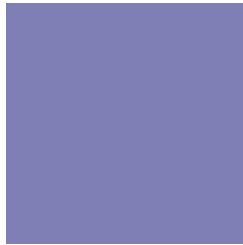
18.8866, 9.0722, 30.8926



0.5943, 0.2854, 0.9720

Previews

White Background



This preview shows how the XYZ color 24.6823, 23.0270, 46.8598 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 24.6823, 23.0270, 46.8598 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 24.6823, 23.0270, 46.8598

Background



This preview shows how black text looks on a background with the XYZ color 24.6823, 23.0270, 46.8598.



This preview shows how white text looks on a background with the XYZ color 24.6823, 23.0270,

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

24.6823, 23.0270, 46.8598

Protanopia

23.7323, 23.0972, 48.0071

Deuteranopia

23.5570, 23.0425, 46.3861



Tritanopia

21.2437, 23.0165, 30.1110

Trichromacy



Original Color

24.6823, 23.0270, 46.8598

Protanomaly

24.0395, 23.0710, 47.4421

Deuteranomaly

23.9736, 23.0607, 46.3676

Tritanomaly

22.3139, 22.8388, 35.5800

Monochromacy



Original Color

24.6823, 23.0270, 46.8598

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.9814, 23.2599, 32.1325

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6823, 23.0270, 46.8598 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(127, 127, 181)` looks like.

```
.text, #text, p{  
    color:rgb(127, 127, 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(127, 127, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 127, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.6823, 23.0270, 46.8598 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(127, 127, 181) }
```


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

```
.border{ border-color:rgb(127, 127, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 127, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 127, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 127, 181);  
box-shadow:4px 4px 4px 4px rgb(127, 127,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6823, 23.0270, 46.8598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 127, 181) }
```

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

```
.background{ background-color: rgb(127,  
127, 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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