

Converting Colors

XYZ(24.5270, 22.5800, 46.7475)

Have a look what the booklet for
XYZ(24.5270, 22.5800, 46.7475)
contains.

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Color

**XYZ(24.5762, 22.5926,
46.7816)**

Conversions

Conversions Part 1

Format	Color
Hex	807DB5
RGB	128, 125, 181
RGB Percent	50%, 49%, 71%
CMY	0.4980, 0.5098, 0.2902
CMYK	0.29, 0.31, 0.00, 0.29
HSL	243°, 27%, 60%
HSV	243°, 31%, 71%
XYZ	24.5762, 22.5926, 46.7816
YIQ	132.2810, -16.1880, 18.0520

Conversions

Conversions Part 2

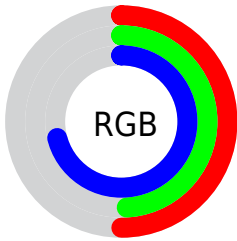
Format	Color
R _Y B	128, 125, 181
Decimal	8420789
CIE _{Lab}	54.65, 14.01, -29.11
CIE _{LCh}	55, 32.302, 295.707
Yxy	22.5926, 0.2616, 0.2405
Android (android.graphics.Color)	4286610869 (0xFF807DB5)
YUV	132.2810, 24.0185, -3.7544
Hunter-Lab	47.5317, 9.1128, -25.0822

Details

The XYZ color **24.5762, 22.5926, 46.7816** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.5861, 43.9939, 25.8608**, and the grayscale version is **21.9543, 23.0976, 25.1533**.

A 20% lighter version of the original color is **50.4979, 47.9003, 86.7049**, and **9.5413, 8.3052, 21.5223** is the 20% darker color. If you saturate the color by 10%, you get **20.1276, 17.2025, 45.9761**, and if you desaturate by 10%, it is **29.8789, 29.0438, 47.7477**.

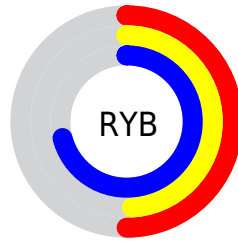
Distribution



Red (50%)

Green (49%)

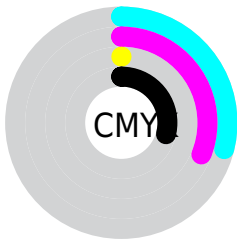
Blue (71%)



Red (50%)

Yellow (49%)

Blue (71%)

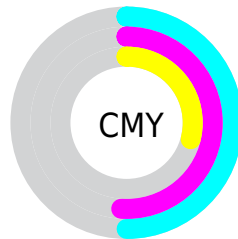


Cyan (29%)

Magenta (31%)

Yellow (0%)

Black (29%)



Cyan (50%)

Magenta (51%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5762, 22.5926, 46.7816 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 24.5762, 22.5926, 46.7816 by changing the saturation by 10% instead.

■ 24.5762, 22.5926,
46.7816

■ 24.5762, 22.5926,
46.7816

268.1075,
265.6255, 390.3106

■ 15.8886, 14.2930,
32.5099

■ 50.4167, 47.7235,
86.7341

■ 9.5357, 8.3247,
21.4832

■ 68.3004, 65.3236,
113.2520

■ 5.1521, 4.3034,
13.2830

■ 89.9801, 86.7926,
144.6890

■ 2.3725, 1.8447,
7.4907

115.8213,
112.5149, 181.4638

■ 0.8314, 0.5148,
3.6878

146.1893,
142.8750, 223.9948

■ 0.0000, 0.0000,
1.4557

181.4494,

■ 0.0000, 0.0000,

178.2572, 272.7006

0.1846

221.9670,
219.0459, 327.9996

■ 0.0000, 0.0000,
0.0000

■ 24.5762, 22.5926,
46.7816

■ 24.5762, 22.5926,
46.7816

■ 20.1276, 17.2025,
45.9761

■ 29.8789, 29.0438,
47.7477

■ 16.4862, 12.8142,
45.3210

■ 36.0747, 36.6058,
48.8808

■ 13.6042, 9.3666,
44.8074

■ 43.2030, 45.3286,
50.1887

■ 11.4279, 6.7909,
44.4249

■ 51.2999, 55.2581,
51.6786

■ 9.8963, 5.0089,
44.1617

■ 60.4001, 66.4378,
53.3569

■ 8.9382, 3.9283,
44.0036

■ 70.5361, 78.9092,
55.2298

■ 8.4620, 3.3988,
43.9265

■ 81.7391, 92.7116,
57.3035

■ 85.3406, 96.1162,
57.7709

Harmonies

Analogous

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



20.9661, 22.5926, 49.7305



24.5762, 22.5926, 46.7816



27.6283, 22.5926, 37.3553

Triad

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



24.5762, 22.5926, 46.7816



25.5583, 22.5926, 11.7147



15.3547, 22.5926, 23.1635

Complementary

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



24.5762, 22.5926, 46.7816



38.5861, 43.9939, 25.8608

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.



16.3084, 22.5926, 15.1386



24.5762, 22.5926, 46.7816



21.9892, 22.5926, 9.7899

Square

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



24.5762, 22.5926, 46.7816



28.2378, 22.5926, 17.0495



18.6437, 22.5926, 10.8439



15.8863, 22.5926, 34.1025

Rectangle

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



24.5762, 22.5926, 46.7816



28.7994, 22.5926, 29.7542



18.6437, 22.5926, 10.8439



15.5091, 22.5926, 20.0775

Sweetspot

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



24.5770, 22.5935, 46.7821



66.7664, 68.1976, 87.9391



32.7588, 39.6172, 49.6368



14.0550, 14.2808, 18.9379



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.



24.5770, 22.5935, 46.7821



38.5289, 33.8103, 82.7900



29.3464, 25.0522, 47.0053



8.0827, 8.2512, 10.6730



5.8524, 2.3528, 30.2827



0.1980, 0.0812, 0.9535

Inverse Universe

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



34.4261, 27.7061, 45.6532



58.9631, 44.4210, 80.2923



32.8407, 41.0320, 25.5919



8.8300, 8.6387, 10.6031



18.2325, 8.8106, 27.4482



0.5796, 0.2796, 0.8949

Previews

White Background



This preview shows how the XYZ color 24.5762, 22.5926, 46.7816 looks on a white background.

Color Contrast Check

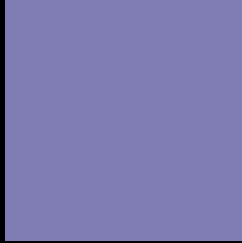
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5762, 22.5926, 46.7816 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 24.5762, 22.5926, 46.7816

Background



This preview shows how black text looks on a background with the XYZ color 24.5762, 22.5926, 46.7816.



This preview shows how white text looks on a background with the XYZ color 24.5762, 22.5926,

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

24.5762, 22.5926, 46.7816

Protanopia

23.4414, 22.7386, 48.5009

Deuteranopia

23.1587, 22.6406, 46.3295



Tritanopia

20.9549, 22.4788, 29.2210

Trichromacy



Original Color

24.5762, 22.5926, 46.7816

Protanomaly

23.8742, 22.7792, 47.9383

Deuteranomaly

23.7031, 22.7267, 46.3174

Tritanomaly

22.1044, 22.3458, 35.0464

Monochromacy



Original Color

24.5762, 22.5926, 46.7816

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

22.7154, 22.7278, 32.0438

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5762, 22.5926, 46.7816 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(128, 125, 181)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 125, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 125, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.5762, 22.5926, 46.7816 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(128, 125, 181) }
```


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

```
.border{ border-color:rgb(128, 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(128, 125, 181) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 125, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 125, 181);  
box-shadow:4px 4px 4px 4px rgb(128, 125,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5762, 22.5926, 46.7816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 125, 181) }
```

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

```
.background{ background-color: rgb(128,  
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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