

# Converting Colors

XYZ(27.2758, 24.8938, 44.7216)

Have a look what the booklet for  
XYZ(27.2758, 24.8938, 44.7216)  
contains.

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# Color

**XYZ(27.2877, 24.8041,  
44.9444)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9081B1
RGB	144, 129, 177
RGB Percent	56%, 51%, 69%
CMY	0.4353, 0.4941, 0.3059
CMYK	0.19, 0.27, 0.00, 0.31
HSL	259°, 24%, 60%
HSV	259°, 27%, 69%
XYZ	27.2877, 24.8041, 44.9444
YIQ	138.9570, -6.4680, 18.1080

# Conversions

## Conversions Part 2

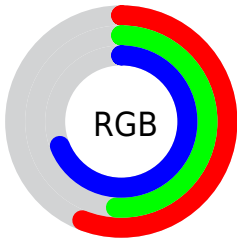
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 129, 177
Decimal	9470385
CIELab	56.88, 15.69, -23.25
CIELCh	57, 28.051, 304.014
Yxy	24.8041, 0.2812, 0.2556
Android (android.graphics.Color)	4287660465 (0xFF9081B1)
YUV	138.9570, 18.7552, 4.4227
Hunter-Lab	49.8037, 10.6445, -18.6425

# Details

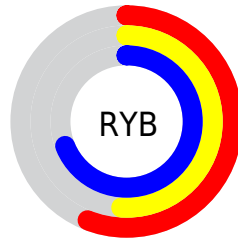
The XYZ color **27.2877, 24.8041, 44.9444** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **34.5855, 40.7111, 26.8051**, and the grayscale version is **24.4566, 25.7303, 28.0203**.

A 20% lighter version of the original color is **54.7246, 51.3449, 84.1170**, and **11.0210, 9.5197, 20.3254** is the 20% darker color. If you saturate the color by 10%, you get **23.1431, 19.5015, 44.1398**, and if you desaturate by 10%, it is **32.0669, 31.0345, 45.8955**.

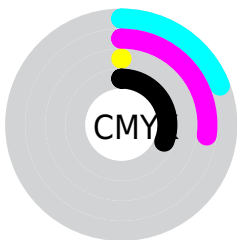
# Distribution



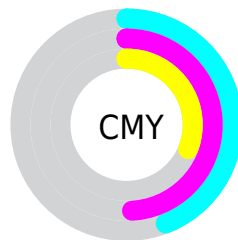
- Red (56%)
- Green (51%)
- Blue (69%)



- Red (56%)
- Yellow (51%)
- Blue (69%)



- Cyan (19%)
- Magenta (27%)
- Yellow (0%)
- Black (31%)



- Cyan (44%)
- Magenta (49%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2877, 24.8041, 44.9444 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 27.2877, 24.8041, 44.9444 by changing the saturation by 10% instead.



■ 27.2877, 24.8041,  
44.9444

■ 27.2877, 24.8041,  
44.9444

281.1896,  
276.8609, 382.7019

■ 17.9271, 15.9312,  
31.0710

■ 54.7618, 51.3392,  
83.9545

■ 10.9970, 9.4755,  
20.3940

■ 73.6061, 69.7702,  
109.9284

■ 6.1321, 5.0526,  
12.4949

■ 96.3423, 92.1560,  
140.7727

■ 2.9670, 2.2781,  
6.9550

123.3357,  
118.8810, 176.9062

■ 1.1363, 0.7621,  
3.3560

154.9519,  
150.3296, 218.7473

■ 0.0552, 0.0000,  
1.2791

191.5560,

■ 0.0000, 0.0000,

186.8862, 266.7146

0.0446

233.5135,  
228.9352, 321.2266

■ 0.0000, 0.0000,  
0.0000

■ 27.2877, 24.8041,  
44.9444

■ 27.2877, 24.8041,  
44.9444

■ 23.1431, 19.5015,  
44.1398

■ 32.0669, 31.0345,  
45.8955

■ 19.6027, 15.0784,  
43.4726

■ 37.5045, 38.2319,  
46.9982

■ 16.6368, 11.4865,  
42.9356

■ 43.6260, 46.4369,  
48.2592

■ 14.2125, 8.6714,  
42.5200

■ 50.4547, 55.6869,  
49.6847

■ 12.2930, 6.5722,  
42.2160

■ 58.0131, 66.0171,  
51.2803

10.8361, 5.1185,  
42.0122

66.3222, 77.4615,  
53.0514

9.7843, 4.2095,  
41.8922

75.4024, 90.0522,  
55.0030

9.5286, 3.9954,  
41.8643

80.0920, 93.4572,  
55.4131

84.3939, 95.6750,  
55.6144

# Harmonies

## Analogous

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



24.0204, 24.8041, 49.3654



27.2877, 24.8041, 44.9444



29.7202, 24.8041, 35.7324

# Triad

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



27.2877, 24.8041, 44.9444



26.4522, 24.8041, 13.7936



17.8202, 24.8041, 28.2934

# Complementary

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



27.2877, 24.8041, 44.9444



34.5855, 40.7111, 26.8051

# 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.



18.3422, 24.8041, 19.8327



27.2877, 24.8041, 44.9444



23.1362, 24.8041, 12.6848

# Square

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



27.2877, 24.8041, 44.9444



29.2073, 24.8041, 18.1007



20.2163, 24.8041, 14.6185



18.7187, 24.8041, 38.4410



# Rectangle

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



27.2877, 24.8041, 44.9444



30.4307, 24.8041, 28.9378



20.2163, 24.8041, 14.6185



17.8360, 24.8041, 25.1649

# Sweetspot

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



27.2885, 24.8051, 44.9450



66.1207, 67.0762, 83.9574



30.0161, 33.8947, 46.5557



14.0045, 14.1045, 18.1287



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



27.2885, 24.8051, 44.9450



43.9597, 38.1168, 79.5356



31.8078, 27.1349, 45.1565



8.2836, 8.3547, 10.6824



6.9599, 2.9237, 30.3345



0.2807, 0.1238, 0.9573



# Inverse Universe

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



32.5040, 27.6571, 37.8083



55.1100, 44.2222, 63.9171



30.2661, 38.4844, 26.6029



8.7347, 8.6006, 10.1015



15.6963, 7.7961, 14.0926



0.5187, 0.2552, 0.5743



# Previews

## White Background



This preview shows how the XYZ color 27.2877, 24.8041, 44.9444 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

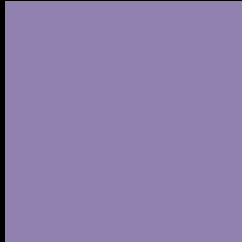
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.2877, 24.8041, 44.9444 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

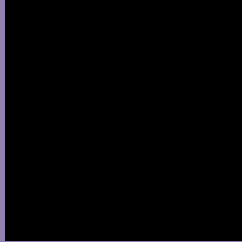
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.2877, 24.8041, 44.9444**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2877, 24.8041, 44.9444.



This preview shows how white text looks on a background with the XYZ color 27.2877, 24.8041,



# 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

27.2877, 24.8041, 44.9444

### Protanopia

25.3166, 24.9492, 47.1974

### Deuteranopia

25.4148, 24.8519, 44.5317



## Tritanopia

24.3335, 24.8065, 30.6998

# Trichromacy



## Original Color

27.2877, 24.8041, 44.9444

## Protanomaly

25.9858, 24.8956, 46.6158

## Deuteranomaly

25.9193, 24.7054, 44.4768

## Tritanomaly

25.2885, 24.7848, 35.3494

# Monochromacy



## Original Color

27.2877, 24.8041, 44.9444

## Achromatopsia

24.5403, 25.8183, 28.1161

## Achromatomaly

25.3982, 25.2906, 33.6799

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2877, 24.8041, 44.9444 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(144, 129, 177)` looks like.

```
.text, #text, p{  
    color:rgb(144, 129, 177)  
}
```

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(144, 129, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 129, 177) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2877, 24.8041, 44.9444 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(144, 129, 177) }
```



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

```
.border{ border-color:rgb(144, 129, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 129, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(144, 129, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(144, 129, 177); box-shadow:4px 4px 4px 4px rgb(144, 129, 177) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2877, 24.8041, 44.9444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 129, 177) }
```

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

```
.background{ background-color: rgb(144,  
129, 177) }
```

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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