

# Converting Colors

XYZ(27.4273, 26.8840, 52.4453)

Have a look what the booklet for  
XYZ(27.4273, 26.8840, 52.4453)  
contains.

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# Color

**XYZ(27.5744, 27.0631,  
52.4856)**

# Conversions

## Conversions Part 1

Format	Color
Hex	808CBE
RGB	128, 140, 190
RGB Percent	50%, 55%, 75%
CMY	0.4980, 0.4510, 0.2549
CMYK	0.33, 0.26, 0.00, 0.25
HSL	228°, 32%, 62%
HSV	228°, 33%, 75%
XYZ	27.5744, 27.0631, 52.4856
YIQ	142.1120, -23.2020, 13.0060

# Conversions

## Conversions Part 2

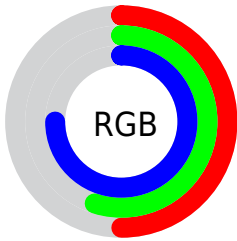
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 138, 190
Decimal	8424638
CIE Lab	59.03, 7.58, -27.45
CIE LCh	59, 28.477, 285.440
Yxy	27.0631, 0.2574, 0.2526
Android (android.graphics.Color)	4286614718 (0xFF808CBE)
YUV	142.1120, 23.6088, -12.3762
Hunter-Lab	52.0222, 3.5752, -23.4026

# Details

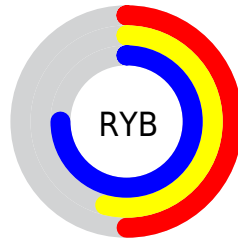
The XYZ color **27.5744, 27.0631, 52.4856** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **41.0523, 44.3467, 26.8189**, and the grayscale version is **25.6723, 27.0092, 29.4131**.

A 20% lighter version of the original color is **54.9959, 54.7388, 94.8558**, and **11.0806, 10.6264, 24.7596** is the 20% darker color. If you saturate the color by 10%, you get **22.8946, 21.5556, 51.6697**, and if you desaturate by 10%, it is **33.1030, 33.4721, 53.4318**.

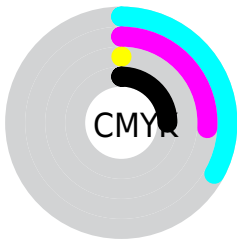
# Distribution



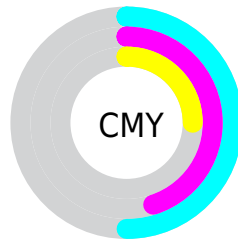
- Red (50%)
- Green (55%)
- Blue (75%)



- Red (50%)
- Yellow (54%)
- Blue (75%)



- Cyan (33%)
- Magenta (26%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (45%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5744, 27.0631, 52.4856 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 27.5744, 27.0631, 52.4856 by changing the saturation by 10% instead.



■ 27.5744, 27.0631,  
52.4856

■ 27.5744, 27.0631,  
52.4856

282.5447,  
287.9625, 413.3186

■ 18.1439, 17.6206,  
37.0074

■ 55.2176, 54.9851,  
95.2809

■ 11.1537, 10.6780,  
24.9174

■ 74.1611, 74.2334,  
123.4350

■ 6.2383, 5.8507,  
15.7970

■ 97.0062, 97.5191,  
156.6515

■ 3.0326, 2.7545,  
9.2279

124.1184,  
125.2266, 195.3489

■ 1.1710, 1.0050,  
4.7913

155.8630,  
157.7403, 239.9458

■ 0.0833, 0.0000,  
2.0687

192.6053,

■ 0.0000, 0.0000,

195.4446, 290.8607

0.5971

234.7108,  
238.7239, 348.5121

■ 0.0000, 0.0000,  
0.0000

■ 27.5744, 27.0631,  
52.4856

■ 27.5744, 27.0631,  
52.4856

■ 22.8946, 21.5556,  
51.6697

■ 33.1030, 33.4721,  
53.4318

■ 19.0180, 16.9054,  
50.9764

■ 39.5172, 40.8179,  
54.5116

■ 15.8989, 13.0692,  
50.4003

■ 46.8552, 49.1375,  
55.7307

■ 13.4860, 9.9986,  
49.9348

■ 55.1518, 58.4652,  
57.0938

■ 11.7209, 7.6396,  
49.5725

■ 64.4403, 68.8335,  
58.6055

■ 10.5353, 5.9307,  
49.3052

■ 74.7522, 80.2733,  
60.2701

■ 9.9490, 5.0271,  
49.1617

■ 83.8745, 91.6581,  
61.9868

■ 86.2944, 96.4977,  
62.7934

# Harmonies

## Analogous

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



24.0521, 27.0631, 52.5995



27.5744, 27.0631, 52.4856



30.8741, 27.0631, 45.3382

# Triad

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



27.5744, 27.0631, 52.4856



30.7907, 27.0631, 17.6628



19.6907, 27.0631, 24.8410

# Complementary

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



27.5744, 27.0631, 52.4856



41.0523, 44.3467, 26.8189

# 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.



21.1787, 27.0631, 17.8137



27.5744, 27.0631, 52.4856



27.4688, 27.0631, 14.3604

# Square

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



27.5744, 27.0631, 52.4856



32.8437, 27.0631, 24.5840



23.9557, 27.0631, 14.4084



19.7134, 27.0631, 34.9575



# Rectangle

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



27.5744, 27.0631, 52.4856



32.4108, 27.0631, 38.3178



23.9557, 27.0631, 14.4084



20.0244, 27.0631, 22.0965

# Sweetspot

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



27.5753, 27.0642, 52.4862



74.7349, 77.5227, 99.3036



35.3120, 44.6150, 48.6602



16.0127, 16.5702, 21.7397



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



27.5753, 27.0642, 52.4862



43.8751, 41.8884, 94.0519



28.9752, 25.3230, 52.0764



9.1620, 9.5163, 12.0262



6.6598, 3.4314, 32.7042



0.3064, 0.2254, 1.2962



# Inverse Universe

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



33.6887, 28.2797, 28.4950



56.7429, 44.8191, 43.4706



39.1922, 47.0889, 27.4463



9.6036, 9.5658, 10.3017



14.3623, 7.3761, 1.9358

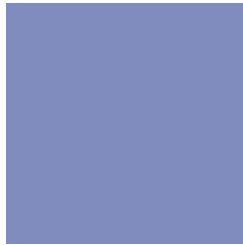


0.5856, 0.2981, 0.1968



# Previews

## White Background



This preview shows how the XYZ color 27.5744, 27.0631, 52.4856 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

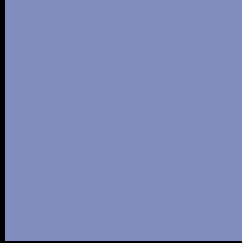
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.5744, 27.0631, 52.4856 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

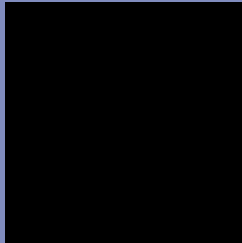
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.5744, 27.0631, 52.4856**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.5744, 27.0631, 52.4856.



This preview shows how white text looks on a background with the XYZ color 27.5744, 27.0631,



# 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

27.5744, 27.0631, 52.4856

### Protanopia

27.5744, 27.0631, 52.4856

### Deuteranopia

27.7256, 27.1410, 52.4926



## Tritanopia

24.3356, 27.0913, 36.2943

# Trichromacy



## Original Color

27.5744, 27.0631, 52.4856

## Protanomaly

27.5744, 27.0631, 52.4856

## Deuteranomaly

27.7256, 27.1410, 52.4926

## Tritanomaly

25.5411, 27.1339, 41.9214

# Monochromacy



## Original Color

27.5744, 27.0631, 52.4856

## Achromatopsia

25.7108, 27.0498, 29.4572

## Achromatomaly

26.0994, 26.8713, 36.6120

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.5744, 27.0631, 52.4856 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, 140, 190)` looks like.

```
.text, #text, p{  
    color:rgb(128, 140, 190)  
}
```

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, 140, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 140, 190) }
```

## Border

The CSS property to change the border of an element to XYZ 27.5744, 27.0631, 52.4856 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, 140, 190) }
```



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

```
.border{ border-color:rgb(128, 140, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 140, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 140, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 140, 190);  
box-shadow:4px 4px 4px 4px rgb(128, 140,  
190) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.5744, 27.0631, 52.4856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 140, 190) }
```

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

```
.background{ background-color: rgb(128,  
140, 190) }
```

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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