

# Converting Colors

XYZ(27.4018, 22.9020, 60.1030)

Have a look what the booklet for  
XYZ(27.4018, 22.9020, 60.1030)  
contains.

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# Color

**XYZ(27.2884, 22.7791,  
60.0853)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8578CC
RGB	133, 120, 204
RGB Percent	52%, 47%, 80%
CMY	0.4784, 0.5294, 0.2000
CMYK	0.35, 0.41, 0.00, 0.20
HSL	249°, 45%, 64%
HSV	249°, 41%, 80%
XYZ	27.2884, 22.7791, 60.0853
YIQ	133.4630, -19.2160, 28.8800

# Conversions

## Conversions Part 2

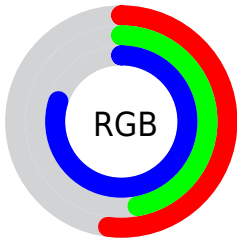
Format	Color
R <sub>Y</sub> B	133, 120, 204
Decimal	8747212
CIE Lab	54.84, 24.49, -41.90
CIE LCh	55, 48.532, 300.303
Yxy	22.7791, 0.2477, 0.2068
Android (android.graphics.Color)	4286937292 (0xFF8578CC)
YUV	133.4630, 34.7747, -0.4061
Hunter-Lab	47.7275, 18.5352, -41.2325

# Details

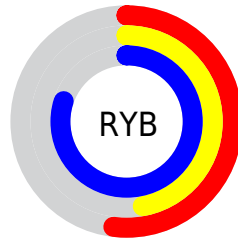
The XYZ color **27.2884, 22.7791, 60.0853** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **46.4692, 55.6185, 26.0563**, and the grayscale version is **22.3459, 23.5096, 25.6019**.

A 20% lighter version of the original color is **53.5416, 47.4164, 100.9381**, and **10.9863, 8.3819, 29.4726** is the 20% darker color. If you saturate the color by 10%, you get **22.5889, 17.0945, 59.2362**, and if you desaturate by 10%, it is **32.9591, 29.7410, 61.1306**.

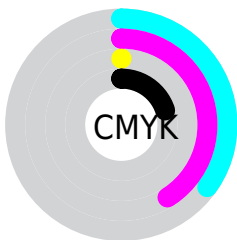
# Distribution



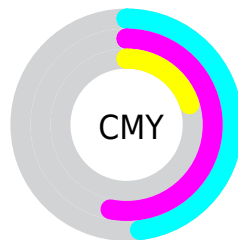
- Red (52%)
- Green (47%)
- Blue (80%)



- Red (52%)
- Yellow (47%)
- Blue (80%)



- Cyan (35%)
- Magenta (41%)
- Yellow (0%)
- Black (20%)



- Cyan (48%)
- Magenta (53%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2884, 22.7791, 60.0853 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 27.2884, 22.7791, 60.0853 by changing the saturation by 10% instead.



■ 27.2884, 22.7791,  
60.0853

■ 27.2884, 22.7791,  
60.0853

281.1930,  
266.5884, 442.7255

■ 17.9276, 14.4305,  
43.0616

■ 54.7629, 48.0304,  
106.4980

■ 10.9974, 8.4207,  
29.6017

■ 73.6074, 65.7018,  
136.7241

■ 6.1324, 4.3653,  
19.2870

■ 96.3439, 87.2496,  
172.1881

■ 2.9672, 1.8799,  
11.6989

123.3376,  
113.0582, 213.3085

■ 1.1364, 0.5363,  
6.4190

154.9541,  
143.5120, 260.5039

■ 0.0553, 0.0000,  
3.0286

191.5585,

■ 0.0000, 0.0000,

178.9953, 314.1929

1.1093

233.5164,  
219.8927, 374.7939

■ 0.0000, 0.0000,  
0.0000

■ 27.2884, 22.7791,  
60.0853

■ 27.2884, 22.7791,  
60.0853

■ 22.5889, 17.0945,  
59.2362

■ 32.9591, 29.7410,  
61.1306

■ 18.8028, 12.6064,  
58.5694

■ 39.6493, 38.0492,  
62.3817

■ 15.8699, 9.2288,  
58.0721

■ 47.4070, 47.7707,  
63.8492

■ 13.7217, 6.8628,  
57.7286

■ 56.2766, 58.9673,  
65.5429

■ 12.2781, 5.3917,  
57.5207

■ 66.2997, 71.6973,  
67.4718

■ 11.4817, 4.6600,  
57.4215

■ 77.5160, 86.0155,  
69.6443

■ 87.4231, 96.8943,  
71.2219

■ 87.8992, 97.1397,  
71.2442

# Harmonies

## Analogous

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



21.7054, 22.7791, 67.6690



27.2884, 22.7791, 60.0853



31.9130, 22.7791, 42.5217

# Triad

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



27.2884, 22.7791, 60.0853



27.1783, 22.7791, 6.9652



12.8816, 22.7791, 24.9591

# Complementary

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



27.2884, 22.7791, 60.0853



46.4692, 55.6185, 26.0563

# 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.



13.8647, 22.7791, 12.8497



27.2884, 22.7791, 60.0853



21.5964, 22.7791, 5.4293

# Square

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



27.2884, 22.7791, 60.0853



31.8424, 22.7791, 12.6760



16.8487, 22.7791, 7.0324



13.9052, 22.7791, 42.9103



# Rectangle

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



27.2884, 22.7791, 60.0853



33.5038, 22.7791, 30.1233



16.8487, 22.7791, 7.0324



12.9862, 22.7791, 20.1485

# Sweetspot

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



27.2893, 22.7800, 60.0858



77.1698, 77.4270, 105.4854



37.3636, 45.7896, 63.9962



16.1364, 16.0937, 22.5059



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



27.2893, 22.7800, 60.0858



38.5048, 29.6248, 98.2965



35.2057, 26.8610, 60.4563



10.7607, 10.9260, 14.1121



7.2772, 2.9591, 36.1439



0.4280, 0.1798, 1.8671



# Inverse Universe

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



41.0227, 30.0325, 52.9249



64.3204, 43.2750, 84.0617



37.4512, 50.9696, 25.6343



11.6100, 11.3727, 13.7470



20.4142, 9.9763, 25.6978



1.0738, 0.5229, 1.4345



# Previews

## White Background



This preview shows how the XYZ color 27.2884, 22.7791, 60.0853 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

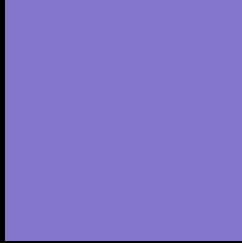
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.2884, 22.7791, 60.0853 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

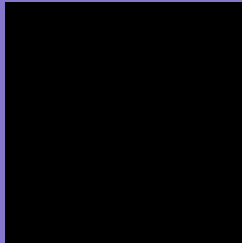
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.2884, 22.7791, 60.0853**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.2884, 22.7791, 60.0853.



This preview shows how white text looks on a background with the XYZ color 27.2884, 22.7791,



# 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

27.2884, 22.7791, 60.0853

### Protanopia

24.7484, 22.8445, 65.3924

### Deuteranopia

23.6008, 22.9837, 59.0695



## Tritanopia

21.1673, 22.7817, 29.6672

# Trichromacy



## Original Color

27.2884, 22.7791, 60.0853

## Protanomaly

25.3978, 22.6502, 63.3549

## Deuteranomaly

24.6755, 22.7418, 59.5890

## Tritanomaly

23.0596, 22.5515, 39.2139

# Monochromacy



## Original Color

27.2884, 22.7791, 60.0853

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

23.6500, 22.9281, 35.9800

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.2884, 22.7791, 60.0853 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(133, 120, 204)` looks like.

```
.text, #text, p{  
    color:rgb(133, 120, 204)  
}
```

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(133, 120, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 120, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 27.2884, 22.7791, 60.0853 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(133, 120, 204) }
```



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

```
.border{ border-color:rgb(133, 120, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 120, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 120, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 120, 204);  
box-shadow:4px 4px 4px 4px rgb(133, 120,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.2884, 22.7791, 60.0853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 120, 204) }
```

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

```
.background{ background-color: rgb(133,  
120, 204) }
```

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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