

# Converting Colors

XYZ(27.1644, 22.3184, 85.2557)

Have a look what the booklet for  
XYZ(27.1644, 22.3184, 85.2557)  
contains.

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# Color

**XYZ(27.1816, 22.3457,  
85.3186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5E79F0
RGB	94, 121, 240
RGB Percent	37%, 47%, 94%
CMY	0.6313, 0.5255, 0.0588
CMYK	0.61, 0.50, 0.00, 0.06
HSL	229°, 83%, 65%
HSV	229°, 61%, 94%
XYZ	27.1816, 22.3457, 85.3186
YIQ	126.4930, -54.2910, 31.2850

# Conversions

## Conversions Part 2

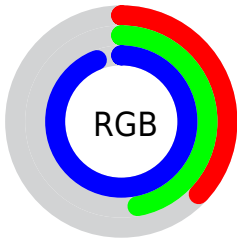
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 117, 240
Decimal	6191600
CIE Lab	54.39, 26.01, -63.02
CIE LCh	54, 68.174, 292.424
Yxy	22.3457, 0.2016, 0.1657
Android (android.graphics.Color)	4284381680 (0xFF5E79F0)
YUV	126.4930, 55.9590, -28.4964
Hunter-Lab	47.2712, 19.9152, -73.9211

# Details

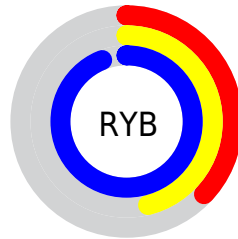
The XYZ color **27.1816, 22.3457, 85.3186** is a light color, and the websafe version is hex **6666CC**. The color can be described as light muted azure. A complement of this color would be **61.7521, 66.9256, 20.2546**, and the grayscale version is **19.8285, 20.8611, 22.7178**.

A 20% lighter version of the original color is **46.7039, 44.1751, 100.6728**, and **10.9298, 8.1840, 45.8033** is the 20% darker color. If you saturate the color by 10%, you get **22.9510, 16.9864, 84.5076**, and if you desaturate by 10%, it is **32.6611, 29.0647, 86.3272**.

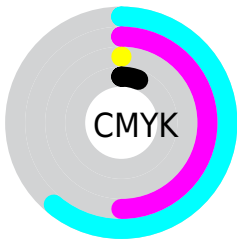
# Distribution



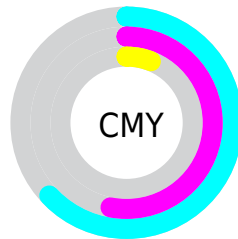
- Red (37%)
- Green (47%)
- Blue (94%)



- Red (37%)
- Yellow (46%)
- Blue (94%)



- Cyan (61%)
- Magenta (50%)
- Yellow (0%)
- Black (6%)



- Cyan (63%)
- Magenta (53%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1816, 22.3457, 85.3186 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 27.1816, 22.3457, 85.3186 by changing the saturation by 10% instead.



■ 27.1816, 22.3457,  
85.3186

■ 27.1816, 22.3457,  
85.3186

280.6869,  
264.3463, 532.8538

■ 17.8469, 14.1111,  
63.5530

■ 54.5930, 47.3167,  
142.6963

■ 10.9392, 8.1980,  
45.8449

■ 73.4004, 64.8219,  
179.1456

■ 6.0929, 4.2219,  
31.7756

■ 96.0961, 86.1862,  
221.3264

■ 2.9429, 1.7985,  
20.9268

■ 123.0455,  
111.7938, 269.6574

■ 1.1236, 0.4862,  
12.8798

154.6140,  
142.0293, 324.5571

■ 0.0447, 0.0000,  
7.2161

191.1667,

■ 0.0000, 0.0000,

177.2769, 386.4440

3.5171

233.0693,  
217.9211, 455.7367

■ 0.0000, 0.0000,  
1.3644

■ 0.0000, 0.0000,  
0.1137

■ 27.1816, 22.3457,  
85.3186

■ 27.1816, 22.3457,  
85.3186

■ 22.9510, 16.9864,  
84.5076

■ 32.6611, 29.0647,  
86.3272

■ 19.8633, 12.8882,  
83.8794

■ 39.4775, 37.2281,  
87.5436

■ 17.7990, 9.9414,  
83.4194

■ 47.7142, 46.9160,  
88.9795

■ 16.6430, 8.1208,  
83.1289

■ 57.4466, 58.2019,  
90.6449

■ 68.7449, 71.1544,  
92.5495

■ 81.6749, 85.8381,  
94.7023

■ 92.7283, 99.0713,  
96.6740

# Harmonies

## Analogous

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



19.4068, 22.3457, 91.8064



27.1816, 22.3457, 85.3186



34.7260, 22.3457, 58.8766

# Triad

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



27.1816, 22.3457, 85.3186



31.2202, 22.3457, 4.1550



9.9735, 22.3457, 19.3156

# Complementary

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



27.1816, 22.3457, 85.3186



61.7521, 66.9256, 20.2546

# 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.



11.7930, 22.3457, 6.9143



27.1816, 22.3457, 85.3186



23.1828, 22.3457, 2.1178

# Square

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



27.1816, 22.3457, 85.3186



37.4120, 22.3457, 11.8022



16.2324, 22.3457, 2.7034



10.5633, 22.3457, 43.5620



# Rectangle

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



27.1816, 22.3457, 85.3186



38.0194, 22.3457, 38.9307



16.2324, 22.3457, 2.7034



10.3054, 22.3457, 13.9309

# Sweetspot

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



27.1826, 22.3464, 85.3192



69.3372, 70.7187, 104.6033



47.5102, 69.3938, 72.3882



14.0730, 14.2527, 22.2593



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.



27.1826, 22.3464, 85.3192



25.3706, 18.2338, 96.7900



30.1806, 19.6847, 84.6474



15.1337, 15.7015, 19.9547



9.1804, 4.5850, 45.5290



0.8289, 0.5117, 3.8093



# Inverse Universe

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



43.3900, 27.9126, 21.1903



45.8206, 26.4825, 15.5994



55.9987, 74.8918, 22.0955



15.8922, 15.8066, 16.9884



19.9594, 10.2562, 2.4371



1.6933, 0.8664, 0.3759



# Previews

## White Background



This preview shows how the XYZ color 27.1816, 22.3457, 85.3186 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

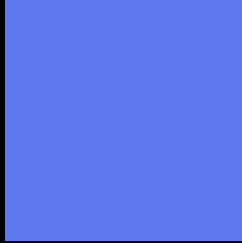
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 27.1816, 22.3457, 85.3186 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

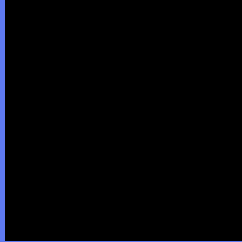
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 27.1816, 22.3457, 85.3186**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.1816, 22.3457, 85.3186.



This preview shows how white text looks on a background with the XYZ color 27.1816, 22.3457,



# 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

27.1816, 22.3457, 85.3186

### Protanopia

25.9294, 22.3498, 89.3335

### Deuteranopia

22.9592, 22.3857, 80.2016



## Tritanopia

16.8910, 22.4028, 33.5709

# Trichromacy



## Original Color

27.1816, 22.3457, 85.3186

## Protanomaly

26.2870, 22.3822, 87.7287

## Deuteranomaly

23.5192, 21.8346, 82.3318

## Tritanomaly

19.6659, 21.7819, 49.0668

# Monochromacy



## Original Color

27.1816, 22.3457, 85.3186

## Achromatopsia

19.8309, 20.8637, 22.7206

## Achromatomaly

21.1221, 20.7827, 39.4574

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.1816, 22.3457, 85.3186 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(94, 121, 240)` looks like.

```
.text, #text, p{  
    color:rgb(94, 121, 240)  
}
```

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(94, 121, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 121, 240) }
```

## Border

The CSS property to change the border of an element to XYZ 27.1816, 22.3457, 85.3186 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(94, 121, 240) }
```



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

```
.border{ border-color:rgb(94, 121, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 121, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 121, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 121, 240);  
box-shadow:4px 4px 4px 4px rgb(94, 121,  
240) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.1816, 22.3457, 85.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 121, 240) }
```

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

```
.background{ background-color: rgb(94, 121,  
240) }
```

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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