

# Converting Colors

XYZ(27.6582, 27.0547, 73.9029)

Have a look what the booklet for  
XYZ(27.6582, 27.0547, 73.9029)  
contains.

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# Color

**XYZ(27.6084, 27.0534,  
73.5787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	5E8EDF
RGB	94, 142, 223
RGB Percent	37%, 56%, 87%
CMY	0.6313, 0.4431, 0.1255
CMYK	0.58, 0.36, 0.00, 0.13
HSL	218°, 67%, 62%
HSV	218°, 58%, 87%
XYZ	27.6084, 27.0534, 73.5787
YIQ	136.8820, -54.6090, 15.0150

# Conversions

## Conversions Part 2

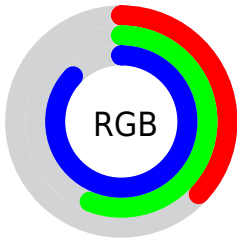
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	94, 129, 223
Decimal	6196959
CIE Lab	59.02, 7.76, -46.16
CIE LCh	59, 46.803, 279.539
Yxy	27.0534, 0.2153, 0.2110
Android (android.graphics.Color)	4284387039 (0xFF5E8EDF)
YUV	136.8820, 42.4562, -37.6075
Hunter-Lab	52.0129, 3.7251, -47.4641

# Details

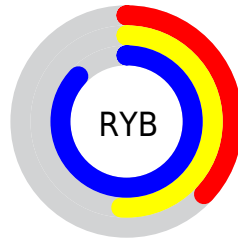
The XYZ color **27.6084, 27.0534, 73.5787** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle muted azure. A complement of this color would be **47.7834, 47.1586, 17.1754**, and the grayscale version is **23.5940, 24.8227, 27.0320**.

A 20% lighter version of the original color is **50.7020, 53.0225, 102.1698**, and **11.1115, 10.6037, 38.0203** is the 20% darker color. If you saturate the color by 10%, you get **23.6891, 22.1323, 72.8360**, and if you desaturate by 10%, it is **32.4520, 32.8403, 74.4410**.

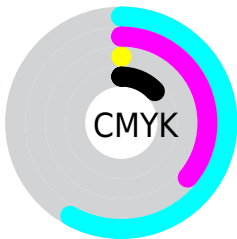
# Distribution



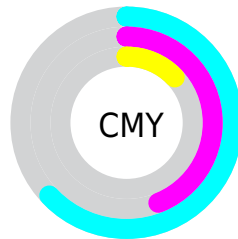
- Red (37%)
- Green (56%)
- Blue (87%)



- Red (37%)
- Yellow (51%)
- Blue (87%)



- Cyan (58%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (63%)
- Magenta (44%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6084, 27.0534, 73.5787 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 27.6084, 27.0534, 73.5787 by changing the saturation by 10% instead.



■ 27.6084, 27.0534,  
73.5787

■ 27.6084, 27.0534,  
73.5787

282.7051,  
287.9156, 492.1425

■ 18.1696, 17.6133,  
53.9546

■ 55.2717, 54.9695,  
126.0269

■ 11.1723, 10.6727,  
38.1724

■ 74.2268, 74.2144,  
159.6881

■ 6.2510, 5.8472,  
25.8137

■ 97.0849, 97.4963,  
198.8654

■ 3.0404, 2.7524,  
16.4598

■ 124.2111,  
125.1997, 243.9774

■ 1.1752, 1.0039,  
9.6922

155.9709,  
157.7089, 295.4425

■ 0.0866, 0.0000,  
5.0924

192.7295,

■ 0.0000, 0.0000,

195.4084, 353.6794

2.2419

234.8525,  
238.6825, 419.1065

■ 0.0000, 0.0000,  
0.6984

■ 0.0000, 0.0000,  
0.0000

■ 27.6084, 27.0534,  
73.5787

■ 27.6084, 27.0534,  
73.5787

■ 23.6891, 22.1323,  
72.8360

■ 32.4520, 32.8403,  
74.4410

■ 20.6226, 18.0246,  
72.2047

■ 38.2775, 39.5352,  
75.4262

■ 18.3307, 14.6753,  
71.6790

■ 45.1412, 47.1804,  
76.5401

■ 16.7066, 12.0128,  
71.2507

■ 53.0942, 55.8147,  
77.7875

■ 16.4105, 11.5100,  
71.1693

■ 62.1839, 65.4741,  
79.1729

■ 72.4547, 76.1932,  
80.7005

■ 83.9487, 88.0046,  
82.3746

■ 90.0090, 97.4870,  
83.8854

■ 90.3194, 98.1078,  
83.9889

# Harmonies

## Analogous

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



22.0048, 27.0534, 70.7169



27.6084, 27.0534, 73.5787



33.4958, 27.0534, 61.6355

# Triad

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



27.6084, 27.0534, 73.5787



35.3202, 27.0534, 13.4300



16.6075, 27.0534, 19.6335

# Complementary

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



27.6084, 27.0534, 73.5787



47.7834, 47.1586, 17.1754

# 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.



19.2407, 27.0534, 11.0388



27.6084, 27.0534, 73.5787



29.8170, 27.0534, 8.5072

# Square

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



27.6084, 27.0534, 73.5787



38.3699, 27.0534, 24.4690



23.9072, 27.0534, 7.8374



16.2000, 27.0534, 35.0795



# Rectangle

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



27.6084, 27.0534, 73.5787



36.5876, 27.0534, 48.8210



23.9072, 27.0534, 7.8374



17.2405, 27.0534, 16.0386

# Sweetspot

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



27.6094, 27.0543, 73.5794



72.7833, 76.5305, 105.5435



38.6011, 58.1944, 49.0145



15.0807, 15.8458, 22.5137



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

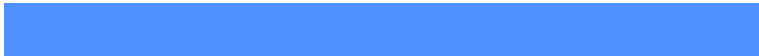


# Same Dimension

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



27.6094, 27.0543, 73.5794



31.3302, 28.9876, 98.5516



23.6363, 16.5892, 71.7688



13.3677, 14.0745, 17.3998



9.7487, 6.9669, 41.8793



0.7596, 0.6506, 2.9308



# Inverse Universe

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



39.3176, 25.6478, 28.4701



49.1132, 28.8886, 29.5803



54.4073, 66.9869, 20.6535



13.9171, 13.7845, 15.3335



18.8609, 9.6114, 5.9332



1.3497, 0.6831, 0.6341



# Previews

## White Background



This preview shows how the XYZ color 27.6084, 27.0534, 73.5787 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 27.6084, 27.0534, 73.5787 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

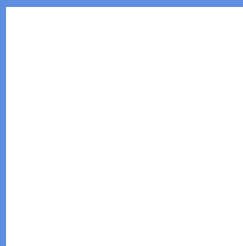
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 27.6084, 27.0534, 73.5787**

## **Background**



This preview shows how black text looks on a background with the XYZ color 27.6084, 27.0534, 73.5787.



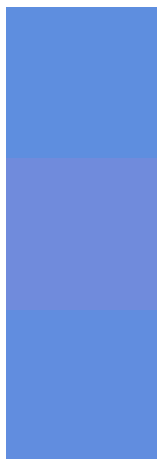
This preview shows how white text looks on a background with the XYZ color 27.6084, 27.0534,



# 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

27.6084, 27.0534, 73.5787

### Protanopia

28.8330, 27.0773, 71.4169

### Deuteranopia

27.7739, 26.9189, 73.5441



## **Tritanopia**

21.0371, 27.2040, 40.2185

# Trichromacy



## Original Color

27.6084, 27.0534, 73.5787

## Protanomaly

28.2549, 26.9799, 72.1251

## Deuteranomaly

27.6680, 26.8643, 73.5391

## Tritanomaly

23.1004, 27.0628, 51.0198

# Monochromacy



## Original Color

27.6084, 27.0534, 73.5787

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

24.1857, 25.3573, 40.6655

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 27.6084, 27.0534, 73.5787 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, 142, 223)` looks like.

```
.text, #text, p{  
    color:rgb(94, 142, 223)  
}
```

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, 142, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 142, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 27.6084, 27.0534, 73.5787 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, 142, 223) }
```



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

```
.border{ border-color:rgb(94, 142, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 142, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 142, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 142, 223);  
box-shadow:4px 4px 4px 4px rgb(94, 142,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 27.6084, 27.0534, 73.5787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 142, 223) }
```

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

```
.background{ background-color: rgb(94, 142,  
223) }
```

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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