

Converting Colors

XYZ(27.6102, 27.0682, 85.4276)

Have a look what the booklet for
XYZ(27.6102, 27.0682, 85.4276)
contains.

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Color

**XYZ(27.5824, 27.0007,
85.4193)**

Conversions

Conversions Part 1

Format	Color
Hex	418FEF
RGB	65, 143, 239
RGB Percent	25%, 56%, 94%
CMY	0.7451, 0.4392, 0.0627
CMYK	0.73, 0.40, 0.00, 0.06
HSL	213°, 84%, 60%
HSV	213°, 73%, 94%
XYZ	27.5824, 27.0007, 85.4193
YIQ	130.6220, -77.3040, 13.3200

Conversions

Conversions Part 2

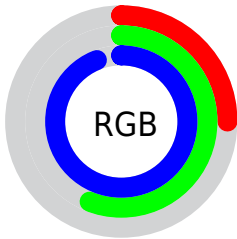
Format	Color
R _{YB}	65, 119, 239
Decimal	4296687
CIE Lab	58.97, 7.86, -55.19
CIE LCh	59, 55.747, 278.108
Yxy	27.0007, 0.1970, 0.1929
Android (android.graphics.Color)	4282486767 (0xFF418FEF)
YUV	130.6220, 53.4304, -57.5505
Hunter-Lab	51.9622, 3.8169, -61.0917

Details

The XYZ color **27.5824, 27.0007, 85.4193** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle muted azure. A complement of this color would be **49.2983, 44.2265, 10.9411**, and the grayscale version is **21.2760, 22.3840, 24.3762**.

A 20% lighter version of the original color is **47.4628, 51.6864, 102.0827**, and **12.3578, 11.2061, 45.7676** is the 20% darker color. If you saturate the color by 10%, you get **24.4570, 22.6216, 84.7394**, and if you desaturate by 10%, it is **31.6116, 32.1917, 86.2095**.

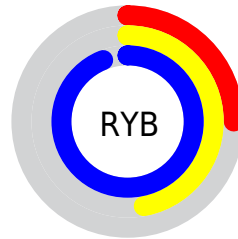
Distribution



Red (25%)

Green (56%)

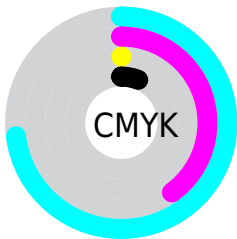
Blue (94%)



Red (25%)

Yellow (47%)

Blue (94%)

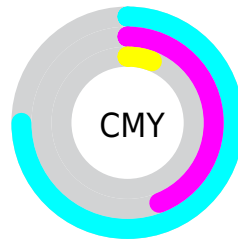


Cyan (73%)

Magenta (40%)

Yellow (0%)

Black (6%)



Cyan (75%)

Magenta (44%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5824, 27.0007, 85.4193 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 27.5824, 27.0007, 85.4193 by changing the saturation by 10% instead.

■ 27.5824, 27.0007,
85.4193

■ 27.5824, 27.0007,
85.4193

282.5825,
287.6605, 533.1952

■ 18.1499, 17.5737,
63.6358

■ 55.2303, 54.8850,
142.8382

■ 11.1580, 10.6444,
45.9114

■ 74.1766, 74.1111,
179.3107

■ 6.2413, 5.8283,
31.8278

■ 97.0247, 97.3724,
221.5165

■ 3.0344, 2.7409,
20.9662

■ 124.1402,
125.0533, 269.8742

■ 1.1720, 0.9980,
12.9083

155.8884,
157.5382, 324.8024

■ 0.0841, 0.0000,
7.2355

192.6346,

■ 0.0000, 0.0000,

195.2114, 386.7196

3.5291

234.7441,
238.4574, 456.0444

■ 0.0000, 0.0000,
1.3707

■ 0.0000, 0.0000,
0.1187

■ 27.5824, 27.0007,
85.4193

■ 27.5824, 27.0007,
85.4193

■ 24.4570, 22.6216,
84.7394

■ 31.6116, 32.1917,
86.2095

■ 22.1330, 18.9890,
84.1607

■ 36.6239, 38.2461,
87.1139

■ 20.8514, 16.7746,
83.8008

■ 42.6929, 45.2128,
88.1388

■ 49.8835, 53.1358,
89.2891

■ 58.2551, 62.0555,
90.5695

■ 67.8627, 72.0100,
91.9846

■ 78.7577, 83.0348,
93.5383

■ 90.5407, 94.9332,
95.2139

■ 92.5801, 99.0120,
95.8937

Harmonies

Analogous

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



21.0231, 27.0007, 80.6983



27.5824, 27.0007, 85.4193



34.7631, 27.0007, 70.6319

Triad

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



27.5824, 27.0007, 85.4193



37.5961, 27.0007, 11.6189



15.2074, 27.0007, 17.3754

Complementary

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



27.5824, 27.0007, 85.4193



49.2983, 44.2265, 10.9411

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.



18.3087, 27.0007, 8.4778



27.5824, 27.0007, 85.4193



30.9406, 27.0007, 6.3453

Square

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



27.5824, 27.0007, 85.4193



41.1848, 27.0007, 24.3544



23.8355, 27.0007, 5.5326



14.6328, 27.0007, 35.0965

Rectangle

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



27.5824, 27.0007, 85.4193



38.6716, 27.0007, 54.4204



23.8355, 27.0007, 5.5326



15.9581, 27.0007, 13.5349

Sweetspot

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



27.5835, 27.0015, 85.4200



68.2448, 72.6847, 105.0404



39.4546, 65.4206, 44.1303



14.0065, 14.9256, 22.3927



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.



27.5835, 27.0015, 85.4200



27.0139, 24.2095, 97.8569



20.2730, 11.4584, 82.8052



15.4806, 16.3954, 20.0703



11.6496, 9.5235, 46.3521



1.0670, 0.9880, 3.8887

Inverse Universe

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



42.4459, 24.1160, 28.4048



45.9936, 24.0383, 24.2587



64.5512, 78.9882, 16.8469



16.0673, 15.8766, 17.9105



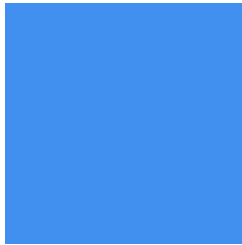
21.2058, 10.7547, 9.0003



1.8135, 0.9145, 1.0089

Previews

White Background



This preview shows how the XYZ color 27.5824, 27.0007, 85.4193 looks on a white background.

Color Contrast Check

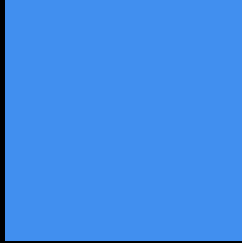
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5824, 27.0007, 85.4193 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

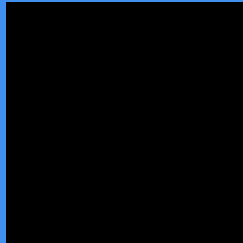
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

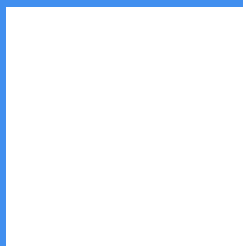
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.5824, 27.0007, 85.4193

Background



This preview shows how black text looks on a background with the XYZ color 27.5824, 27.0007, 85.4193.



This preview shows how white text looks on a background with the XYZ color 27.5824, 27.0007,

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

27.5824, 27.0007, 85.4193

Protanopia

29.3066, 26.8842, 81.4864

Deuteranopia

27.7788, 26.8801, 85.3856



Tritanopia

19.2184, 26.9785, 41.7306

Trichromacy



Original Color

27.5824, 27.0007, 85.4193

Protanomaly

28.5429, 26.8870, 83.0422

Deuteranomaly

27.6369, 26.8069, 85.3790

Tritanomaly

21.3425, 26.5457, 55.0379

Monochromacy



Original Color

27.5824, 27.0007, 85.4193

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.9831, 23.3560, 41.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5824, 27.0007, 85.4193 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(65, 143, 239)` looks like.

```
.text, #text, p{  
    color:rgb(65, 143, 239)  
}
```

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(65, 143, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 143, 239) }
```

Border

The CSS property to change the border of an element to XYZ 27.5824, 27.0007, 85.4193 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(65, 143, 239) }
```


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

```
.border{ border-color:rgb(65, 143, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 143, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 143, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 143, 239);  
box-shadow:4px 4px 4px 4px rgb(65, 143,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5824, 27.0007, 85.4193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 143, 239) }
```

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

```
.background{ background-color: rgb(65, 143,  
239) }
```

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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