

Converting Colors

XYZ(27.7337, 28.2589, 87.1545)

Have a look what the booklet for
XYZ(27.7337, 28.2589, 87.1545)
contains.

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Color

**XYZ(27.6860, 28.1591,
87.1951)**

Conversions

Conversions Part 1

Format	Color
Hex	3094F1
RGB	48, 148, 241
RGB Percent	19%, 58%, 95%
CMY	0.8117, 0.4196, 0.0549
CMYK	0.80, 0.39, 0.00, 0.05
HSL	209°, 87%, 57%
HSV	209°, 80%, 95%
XYZ	27.6860, 28.1591, 87.1951
YIQ	128.7020, -89.4530, 7.7230

Conversions

Conversions Part 2

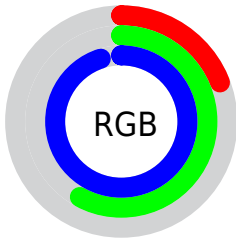
Format	Color
R _Y B	48, 114, 241
Decimal	3183857
CIE Lab	60.03, 3.72, -54.64
CIE LCh	60, 54.763, 273.894
Yxy	28.1591, 0.1936, 0.1969
Android (android.graphics.Color)	4281373937 (0xFF3094F1)
YUV	128.7020, 55.3629, -70.7757
Hunter-Lab	53.0651, 0.2659, -60.2780

Details

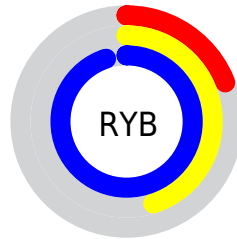
The XYZ color **27.6860, 28.1591, 87.1951** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **46.3370, 37.9689, 7.6846**, and the grayscale version is **20.5995, 21.6722, 23.6011**.

A 20% lighter version of the original color is **47.3389, 53.6720, 102.4725**, and **13.0194, 12.1961, 47.0153** is the 20% darker color. If you saturate the color by 10%, you get **25.1109, 24.2618, 86.5792**, and if you desaturate by 10%, it is **31.0627, 32.7416, 87.9023**.

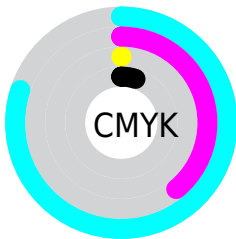
Distribution



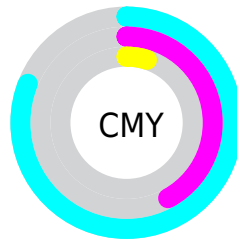
- Red (19%)
- Green (58%)
- Blue (95%)



- Red (19%)
- Yellow (45%)
- Blue (95%)



- Cyan (80%)
- Magenta (39%)
- Yellow (0%)
- Black (5%)



- Cyan (81%)
- Magenta (42%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6860, 28.1591, 87.1951 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 27.6860, 28.1591, 87.1951 by changing the saturation by 10% instead.

■ 27.6860, 28.1591,
87.1951

■ 27.6860, 28.1591,
87.1951

283.0708,
293.2264, 539.1966

■ 18.2283, 18.4456,
65.0961

■ 55.3949, 56.7384,
145.3373

■ 11.2147, 11.2704,
47.0872

■ 74.3768, 76.3729,
182.2176

■ 6.2798, 6.2490,
32.7497

■ 97.2642, 100.0833,
224.8621

■ 3.0582, 2.9971,
21.6653

■ 124.4225,
128.2539, 273.6894

■ 1.1846, 1.1302,
13.4152

■ 156.2169,
161.2691, 329.1179

■ 0.0942, 0.0036,
7.5810

193.0129,

■ 0.0000, 0.0000,

199.5133, 391.5663

3.7441

235.1757,
243.3710, 461.4530

■ 0.0000, 0.0000,
1.4860

■ 0.0000, 0.0000,
0.2075

■ 27.6860, 28.1591,
87.1951

■ 27.6860, 28.1591,
87.1951

■ 25.1109, 24.2618,
86.5792

■ 31.0627, 32.7416,
87.9023

■ 23.1935, 20.9833,
86.0474

■ 35.3303, 38.0620,
88.7043

■ 40.5682, 44.1690,
89.6070

■ 46.8455, 51.1051,
90.6149

■ 54.2244, 58.9093,
91.7324

■ 62.7619, 67.6176,
92.9633

■ 72.5106, 77.2633,
94.3113

■ 83.5200, 87.8783,
95.7799

■ 92.0932, 97.5627,
97.1973

Harmonies

Analogous

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



21.2840, 28.1591, 79.7285



27.6860, 28.1591, 87.1951



34.9654, 28.1591, 74.8947

Triad

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



27.6860, 28.1591, 87.1951



39.5176, 28.1591, 13.8365



16.4336, 28.1591, 16.6699

Complementary

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



27.6860, 28.1591, 87.1951



46.3370, 37.9689, 7.6846

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.



19.9578, 28.1591, 8.5466



27.6860, 28.1591, 87.1951



33.1130, 28.1591, 7.4807

Square

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



27.6860, 28.1591, 87.1951



42.5061, 28.1591, 28.1241



25.8634, 28.1591, 6.0822



15.4860, 28.1591, 33.3449

Rectangle

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



27.6860, 28.1591, 87.1951



39.1337, 28.1591, 59.3351



25.8634, 28.1591, 6.0822



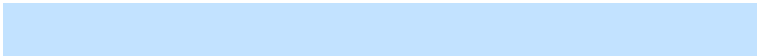
17.3220, 28.1591, 13.1340

Sweetspot

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



27.6872, 28.1600, 87.1958



67.3095, 72.7882, 105.1097



37.2682, 65.3770, 34.7284



13.6728, 14.8287, 22.3916



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.



27.6872, 28.1600, 87.1958



27.1277, 25.1858, 98.0393



18.4372, 9.6601, 84.1125



15.5747, 16.5835, 20.1017



12.7131, 11.6505, 46.7066



1.1572, 1.1684, 3.9188

Inverse Universe

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



42.6789, 22.9544, 30.1988



45.8683, 23.2884, 25.7560



66.3945, 78.0840, 14.3705



16.1148, 15.8956, 18.1606



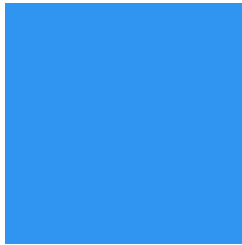
21.7426, 10.9695, 11.8271



1.8591, 0.9327, 1.2487

Previews

White Background



This preview shows how the XYZ color 27.6860, 28.1591, 87.1951 looks on a white background.

Color Contrast Check

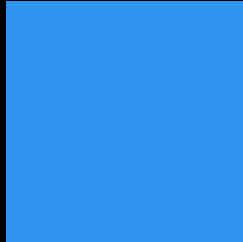
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6860, 28.1591, 87.1951 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

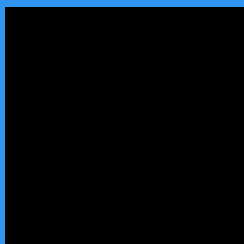
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

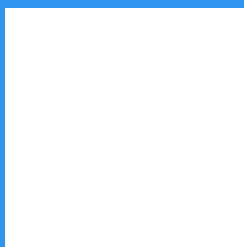
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6860, 28.1591, 87.1951

Background



This preview shows how black text looks on a background with the XYZ color 27.6860, 28.1591, 87.1951.



This preview shows how white text looks on a background with the XYZ color 27.6860, 28.1591,

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

27.6860, 28.1591, 87.1951

Protanopia

30.3200, 28.0544, 81.6589

Deuteranopia

29.0541, 28.1575, 87.9080



Tritanopia

20.0172, 28.1202, 43.4024

Trichromacy



Original Color

27.6860, 28.1591, 87.1951

Protanomaly

29.0056, 27.9922, 83.9950

Deuteranomaly

28.4859, 28.0924, 87.9254

Tritanomaly

22.1977, 27.9273, 57.0439

Monochromacy



Original Color

27.6860, 28.1591, 87.1951

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3154, 23.2199, 41.3887

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6860, 28.1591, 87.1951 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(48, 148, 241)` looks like.

```
.text, #text, p{  
    color:rgb(48, 148, 241)  
}
```

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(48, 148, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 148, 241) }
```

Border

The CSS property to change the border of an element to XYZ 27.6860, 28.1591, 87.1951 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(48, 148, 241) }
```


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

```
.border{ border-color:rgb(48, 148, 241) }
```

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

Here you see how a box with a 4 pixel rgb(48, 148, 241) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 148, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 148, 241);  
box-shadow:4px 4px 4px 4px rgb(48, 148,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6860, 28.1591, 87.1951 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 148, 241) }
```

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

```
.background{ background-color: rgb(48, 148,  
241) }
```

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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