

Converting Colors

XYZ(27.8067, 24.0560, 97.7854)

Have a look what the booklet for
XYZ(27.8067, 24.0560, 97.7854)
contains.

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Color

**XYZ(27.8363, 24.1151,
97.7953)**

Conversions

Conversions Part 1

Format	Color
Hex	3B82FF
RGB	59, 130, 255
RGB Percent	23%, 51%, 100%
CMY	0.7686, 0.4902, 0.0000
CMYK	0.77, 0.49, 0.00, 0.00
HSL	218°, 100%, 62%
HSV	218°, 77%, 100%
XYZ	27.8363, 24.1151, 97.7953
YIQ	123.0210, -82.4410, 23.8230

Conversions

Conversions Part 2

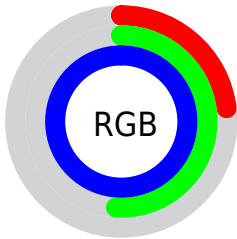
Format	Color
R _Y B	59, 111, 255
Decimal	3900159
CIE Lab	56.20, 20.82, -68.48
CIE LCh	56, 71.575, 286.914
Yxy	24.1151, 0.1859, 0.1610
Android (android.graphics.Color)	4282090239 (0xFF3B82FF)
YUV	123.0210, 65.0656, -56.1464
Hunter-Lab	49.1071, 15.2450, -83.6992

Details

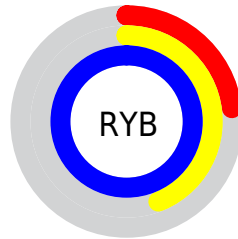
The XYZ color **27.8363, 24.1151, 97.7953** is a dark color, and the websafe version is hex **3366CC**. The color can be described as middle washed azure. A complement of this color would be **59.1736, 55.8634, 11.8038**, and the grayscale version is **18.6474, 19.6185, 21.3645**.

A 20% lighter version of the original color is **44.2937, 45.5814, 101.0713**, and **13.0953, 10.0658, 54.0760** is the 20% darker color. If you saturate the color by 10%, you get **24.6815, 19.5272, 97.0760**, and if you desaturate by 10%, it is **32.0723, 29.7682, 98.6632**.

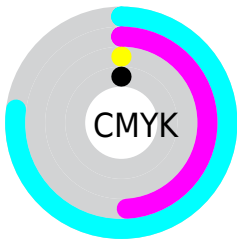
Distribution



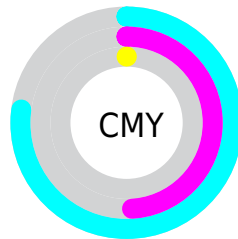
- Red (23%)
- Green (51%)
- Blue (100%)



- Red (23%)
- Yellow (44%)
- Blue (100%)



- Cyan (77%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)



- Cyan (77%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8363, 24.1151, 97.7953 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 27.8363, 24.1151, 97.7953 by changing the saturation by 10% instead.

■ 27.8363, 24.1151,
97.7953

■ 27.8363, 24.1151,
97.7953

283.7782,
273.4019, 574.2870

■ 18.3421, 15.4190,
73.8540

■ 55.6335, 50.2180,
160.1495

■ 11.2971, 9.1140,
54.1785

■ 74.6671, 68.3935,
199.3994

■ 6.3358, 4.8156,
38.3502

■ 97.6114, 90.4977,
244.5893

■ 3.0929, 2.1395,
25.9507

■ 124.8315,
116.9149, 296.1377

■ 1.2031, 0.6867,
16.5613

156.6929,
148.0296, 354.4631

■ 0.1088, 0.0000,
9.7636

193.5609,

■ 0.0000, 0.0000,

184.2260, 419.9841

5.1389

235.8009,
225.8886, 493.1192

■ 0.0000, 0.0000,
2.2688

■ 0.0000, 0.0000,
0.7137

■ 27.8363, 24.1151,
97.7953

■ 27.8363, 24.1151,
97.7953

■ 24.6815, 19.5272,
97.0760

■ 32.0723, 29.7682,
98.6632

■ 22.4688, 15.9087,
96.4942

■ 37.4961, 36.5634,
99.6889

■ 21.9084, 14.9368,
96.3361

■ 44.2035, 44.5710,
100.8810

■ 52.2790, 53.8544,
102.2473

■ 61.7994, 64.4720,
103.7949

■ 72.8354, 76.4781,
105.5307

■ 85.4529, 89.9239,
107.4609

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



19.5234, 24.1151, 99.6888



27.8363, 24.1151, 97.7953



36.5187, 24.1151, 70.9366

Triad

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



27.8363, 24.1151, 97.7953



35.5092, 24.1151, 5.1255



10.7101, 24.1151, 17.2798

Complementary

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



27.8363, 24.1151, 97.7953



59.1736, 55.8634, 11.8038

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.



13.2024, 24.1151, 5.8796



27.8363, 24.1151, 97.7953



26.6909, 24.1151, 2.2363

Square

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



27.8363, 24.1151, 97.7953



41.6241, 24.1151, 15.1618



18.6208, 24.1151, 2.3913



10.8756, 24.1151, 41.7609

Rectangle

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



27.8363, 24.1151, 97.7953



40.7632, 24.1151, 48.3208



18.6208, 24.1151, 2.3913



11.2337, 24.1151, 12.2011

Sweetspot

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



27.8373, 24.1157, 97.7954



65.8720, 68.9346, 104.4416



46.1264, 75.8750, 57.0900



13.2813, 13.8587, 22.2249



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.



27.8373, 24.1157, 97.7954



23.4361, 17.5518, 96.7604



23.3745, 12.2878, 95.7476



17.5415, 18.4547, 22.8875



11.5763, 8.0621, 50.3806



1.2265, 0.9837, 4.9385

Inverse Universe

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



46.8341, 26.0013, 23.6696



44.0662, 22.8021, 15.5435



68.8211, 88.4724, 17.5895



18.2812, 18.0958, 20.0982



22.6314, 11.5418, 6.7092



2.2537, 1.1438, 0.9173

Previews

White Background



This preview shows how the XYZ color 27.8363, 24.1151, 97.7953 looks on a white background.

Color Contrast Check

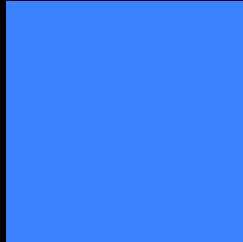
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8363, 24.1151, 97.7953 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

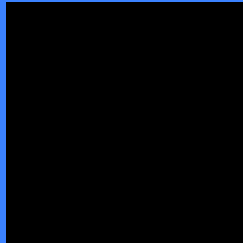
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

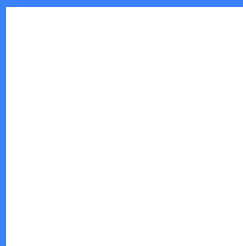
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8363, 24.1151, 97.7953

Background



This preview shows how black text looks on a background with the XYZ color 27.8363, 24.1151, 97.7953.



This preview shows how white text looks on a background with the XYZ color 27.8363, 24.1151,

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

27.8363, 24.1151, 97.7953

Protanopia

27.8540, 23.9463, 96.9200

Deuteranopia

24.5256, 24.1233, 85.0250



Tritanopia

17.0055, 23.9981, 36.5367

Trichromacy



Original Color

27.8363, 24.1151, 97.7953

Protanomaly

27.7263, 23.8804, 96.9140

Deuteranomaly

25.3158, 23.8022, 89.6462

Tritanomaly

19.7199, 23.4005, 54.5163

Monochromacy



Original Color

27.8363, 24.1151, 97.7953

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.0671, 20.5713, 41.4411

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8363, 24.1151, 97.7953 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(59, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(59, 130, 255)  
}
```

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(59, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 130, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8363, 24.1151, 97.7953 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(59, 130, 255) }
```


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

```
.border{ border-color:rgb(59, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(59, 130,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8363, 24.1151, 97.7953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 130, 255) }
```

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

```
.background{ background-color: rgb(59, 130,  
255) }
```

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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