

Converting Colors

XYZ(27.4993, 28.0504, 92.2440)

Have a look what the booklet for
XYZ(27.4993, 28.0504, 92.2440)
contains.

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Color

**XYZ(27.3784, 27.8952,
91.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	0094F7
RGB	0, 148, 247
RGB Percent	0%, 58%, 97%
CMY	0.9997, 0.4196, 0.0314
CMYK	1.00, 0.40, 0.00, 0.03
HSL	204°, 100%, 48%
HSV	204°, 100%, 97%
XYZ	27.3784, 27.8952, 91.9370
YIQ	115.0340, -119.9870, -0.5870

Conversions

Conversions Part 2

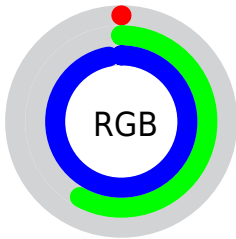
Format	Color
R _Y B	0, 93, 247
Decimal	38135
CIE Lab	59.79, 3.51, -58.35
CIE LCh	60, 58.461, 273.446
Yxy	27.8952, 0.1860, 0.1895
Android (android.graphics.Color)	4278228215 (0xFF0094F7)
YUV	115.0340, 65.0592, -100.8848
Hunter-Lab	52.8159, 0.1019, -66.2354

Details

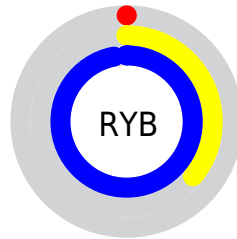
The XYZ color **27.3784, 27.8952, 91.9370** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.8270, 28.7115, 3.2867**, and the grayscale version is **16.1479, 16.9889, 18.5009**.

A 20% lighter version of the original color is **45.6009, 52.7761, 102.3911**, and **13.6619, 12.4531, 50.3988** is the 20% darker color. If you saturate the color by 10%, you get **27.3742, 27.8867, 91.9362**, and if you desaturate by 10%, it is **29.3944, 31.3401, 92.4963**.

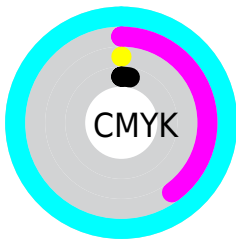
Distribution



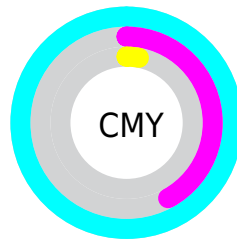
- Red (0%)
- Green (58%)
- Blue (97%)



- Red (0%)
- Yellow (36%)
- Blue (97%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (42%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3784, 27.8952, 91.9370 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 27.3784, 27.8952, 91.9370 by changing the saturation by 10% instead.

■ 27.3784, 27.8952,
91.9370

■ 27.3784, 27.8952,
91.9370

281.6189,
291.9658, 555.0438

■ 17.9957, 18.2467,
69.0056

■ 54.9061, 56.3171,
151.9850

■ 11.0465, 11.1272,
50.2445

■ 73.7818, 75.8592,
189.9387

■ 6.1657, 6.1525,
35.2351

■ 96.5525, 99.4680,
233.7368

■ 2.9877, 2.9380,
23.5591

■ 123.5836,
127.5279, 283.7980

■ 1.1473, 1.0995,
14.7977

■ 155.2404,
160.4232, 340.5407

■ 0.0641, 0.0000,
8.5325

191.8883,

■ 0.0000, 0.0000,

198.5384, 404.3836

4.3449

233.8927,
242.2578, 475.7451

■ 0.0000, 0.0000,
1.8164

■ 0.0000, 0.0000,
0.4387

■ 27.3784, 27.8952,
91.9370

■ 27.3784, 27.8952,
91.9370

■ 27.3742, 27.8867,
91.9362

■ 29.3944, 31.3401,
92.4963

■ 32.0451, 35.3141,
93.1237

■ 35.4885, 39.9034,
93.8280

■ 39.8207, 45.1619,
94.6147

■ 45.1224, 51.1355,
95.4883

■ 51.4647, 57.8651,
96.4529

■ 58.9115, 65.3877,
97.5124

■ 67.5211, 73.7372,
98.6703

■ 77.3476, 82.9454,
99.9297

Harmonies

Analogous

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



20.6462, 27.8952, 83.3743



27.3784, 27.8952, 91.9370



35.1574, 27.8952, 78.6620

Triad

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



27.3784, 27.8952, 91.9370



40.2514, 27.8952, 12.9905



15.7109, 27.8952, 15.5519

Complementary

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



27.3784, 27.8952, 91.9370



42.8270, 28.7115, 3.2867

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.



19.4170, 27.8952, 7.4768



27.3784, 27.8952, 91.9370



33.3989, 27.8952, 6.5550

Square

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



27.3784, 27.8952, 91.9370



43.4100, 27.8952, 27.9880



25.6671, 27.8952, 5.1490



14.6926, 27.8952, 32.8900

Rectangle

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



27.3784, 27.8952, 91.9370



39.6694, 27.8952, 61.6935



25.6671, 27.8952, 5.1490



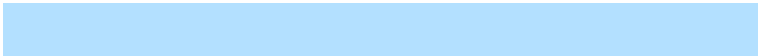
16.6447, 27.8952, 11.9895

Sweetspot

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



27.3796, 27.8960, 91.9377



63.2693, 70.2328, 104.8294



35.5065, 67.4203, 22.9071



12.7875, 14.2795, 22.3322



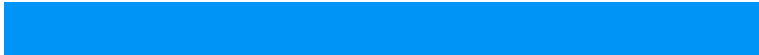
0.0000, 0.0000, 0.0000



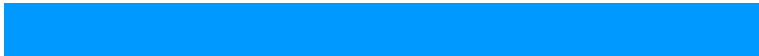
20.3446, 21.4041, 23.3091

Same Dimension

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



27.3796, 27.8960, 91.9377



29.4028, 29.9255, 98.8343



17.1321, 7.4011, 88.5219



16.4069, 17.5781, 21.0707



14.6200, 15.0339, 48.6693



1.3854, 1.5222, 4.3110

Inverse Universe

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



43.7042, 21.9140, 29.9437



46.9703, 23.5521, 32.1056



64.5615, 72.1807, 10.5315



16.9160, 16.6492, 19.3040



23.1840, 11.6170, 16.2093



2.0884, 1.0413, 1.6916

Previews

White Background



This preview shows how the XYZ color 27.3784, 27.8952, 91.9370 looks on a white background.

Color Contrast Check

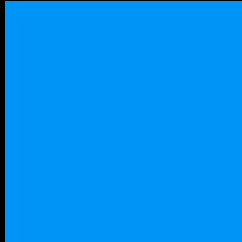
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3784, 27.8952, 91.9370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

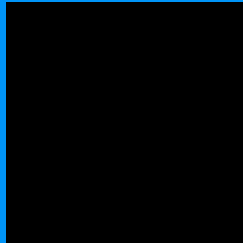
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

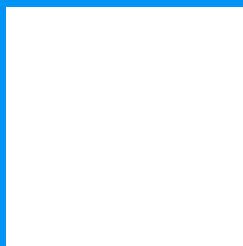
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.3784, 27.8952, 91.9370

Background



This preview shows how black text looks on a background with the XYZ color 27.3784, 27.8952, 91.9370.

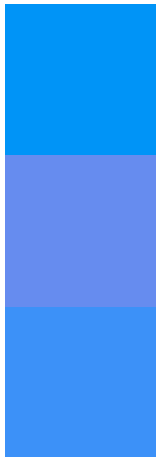


This preview shows how white text looks on a background with the XYZ color 27.3784, 27.8952,

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

27.3784, 27.8952, 91.9370

Protanopia

30.4376, 27.8129, 85.4256

Deuteranopia

28.9322, 27.9888, 92.6844



Tritanopia

19.6538, 27.6986, 42.3407

Trichromacy



Original Color

27.3784, 27.8952, 91.9370

Protanomaly

28.0294, 27.1795, 87.7733

Deuteranomaly

28.0215, 27.7471, 92.6858

Tritanomaly

21.9144, 27.5199, 57.5829

Monochromacy



Original Color

27.3784, 27.8952, 91.9370

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.9479, 19.2396, 37.4707

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3784, 27.8952, 91.9370 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(0, 148, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 148, 247)  
}
```

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(0, 148, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 148, 247) }
```

Border

The CSS property to change the border of an element to XYZ 27.3784, 27.8952, 91.9370 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(0, 148, 247) }
```


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

```
.border{ border-color:rgb(0, 148, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 148, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 148, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 148, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 148,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3784, 27.8952, 91.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 148, 247) }
```

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

```
.background{ background-color: rgb(0, 148,  
247) }
```

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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