

Converting Colors

XYZ(15.7496, 23.3318, 88.1794)

Have a look what the booklet for
XYZ(15.7496, 23.3318, 88.1794)
contains.

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Color

**XYZ(27.7333, 29.5823,
89.0423)**

Conversions

Conversions Part 1

Format	Color
Hex	009AF3
RGB	0, 154, 243
RGB Percent	0%, 60%, 95%
CMY	0.9997, 0.3961, 0.0471
CMYK	1.00, 0.37, 0.00, 0.05
HSL	202°, 100%, 48%
HSV	202°, 100%, 95%
XYZ	27.7333, 29.5823, 89.0423
YIQ	118.1000, -120.3530, -4.9690

Conversions

Conversions Part 2

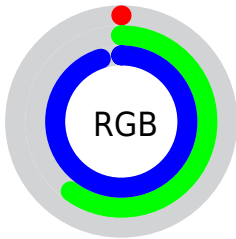
Format	Color
R _Y B	0, 94, 243
Decimal	39667
CIE Lab	61.29, -1.52, -53.77
CIE LCh	61, 53.788, 268.378
Yxy	29.5823, 0.1895, 0.2021
Android (android.graphics.Color)	4278229747 (0xFF009AF3)
YUV	118.1000, 61.5757, -103.5737
Hunter-Lab	54.3896, -4.1646, -58.9921

Details

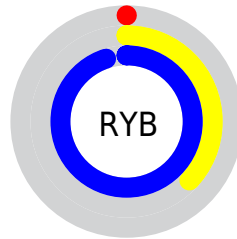
The XYZ color **27.7333, 29.5823, 89.0423** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.5410, 26.2114, 2.9246**, and the grayscale version is **17.0984, 17.9889, 19.5899**.

A 20% lighter version of the original color is **46.9125, 55.5830, 102.8638**, and **13.8132, 13.4458, 48.3216** is the 20% darker color. If you saturate the color by 10%, you get **27.7294, 29.5743, 89.0416**, and if you desaturate by 10%, it is **29.6435, 32.8301, 89.5692**.

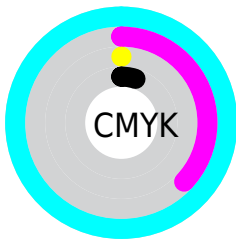
Distribution



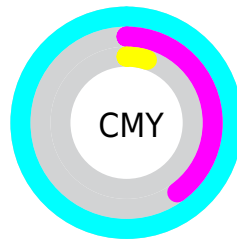
- Red (0%)
- Green (60%)
- Blue (95%)



- Red (0%)
- Yellow (37%)
- Blue (95%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (40%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7333, 29.5823, 89.0423 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 27.7333, 29.5823, 89.0423 by changing the saturation by 10% instead.

■ 27.7333, 29.5823,
89.0423

■ 27.7333, 29.5823,
89.0423

283.2936,
299.9526, 545.4001

■ 18.2641, 19.5218,
66.6174

■ 55.4700, 59.0010,
147.9313

■ 11.2406, 12.0479,
48.3141

■ 74.4682, 79.1279,
185.2324

■ 6.2974, 6.7763,
33.7139

■ 97.3735, 103.3791,
228.3293

■ 3.0691, 3.3226,
22.3983

■ 124.5513,
132.1389, 277.6406

■ 1.1904, 1.3024,
13.9488

■ 156.3668,
165.7918, 333.5848

■ 0.0988, 0.1430,
7.9467

193.1854,

■ 0.0000, 0.0000,

204.7221, 396.5804

3.9736

235.3726,
249.3142, 467.0460

■ 0.0000, 0.0000,
1.6109

■ 0.0000, 0.0000,
0.2986

■ 27.7333, 29.5823,
89.0423

■ 27.7333, 29.5823,
89.0423

■ 27.7294, 29.5743,
89.0416

■ 29.6435, 32.8301,
89.5692

■ 32.1443, 36.5473,
90.1549

■ 35.3880, 40.8159,
90.8078

■ 39.4658, 45.6862,
91.5330

■ 44.4549, 51.2009,
92.3345

■ 50.4227, 57.3980,
93.2161

■ 57.4300, 64.3116,
94.1812

■ 65.5321, 71.9731,
95.2330

■ 74.7805, 80.4120,
96.3744

Harmonies

Analogous

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



21.5640, 29.5823, 78.1441



27.7333, 29.5823, 89.0423



35.0991, 29.5823, 80.1547

Triad

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



27.7333, 29.5823, 89.0423



41.8818, 29.5823, 17.0016



18.0418, 29.5823, 15.7828

Complementary

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



27.7333, 29.5823, 89.0423



40.5410, 26.2114, 2.9246

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.



22.1284, 29.5823, 8.6381



27.7333, 29.5823, 89.0423



35.8790, 29.5823, 9.1055

Square

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



27.7333, 29.5823, 89.0423



44.0453, 29.5823, 33.3269



28.5044, 29.5823, 6.8376



16.5828, 29.5823, 31.1185

Rectangle

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



27.7333, 29.5823, 89.0423



39.5756, 29.5823, 65.6822



28.5044, 29.5823, 6.8376



19.1159, 29.5823, 12.6286

Sweetspot

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



27.7345, 29.5832, 89.0431



63.9869, 71.6680, 105.0686



33.6952, 64.7596, 19.3382



12.9585, 14.6214, 22.3892



0.0000, 0.0000, 0.0000



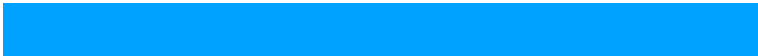
20.3446, 21.4041, 23.3091

Same Dimension

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



27.7345, 29.5832, 89.0431



30.8963, 32.9125, 99.3321



16.8251, 7.7644, 85.4066



16.4565, 17.6774, 21.0873



15.3517, 16.4972, 48.9132



1.4470, 1.6455, 4.3316

Inverse Universe

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



42.7961, 21.3895, 32.4454



47.7242, 23.8537, 36.0753



59.1695, 63.4683, 9.1341



16.9410, 16.6593, 19.4360



23.5534, 11.7648, 18.1542



2.1195, 1.0537, 1.8554

Previews

White Background



This preview shows how the XYZ color 27.7333, 29.5823, 89.0423 looks on a white background.

Color Contrast Check

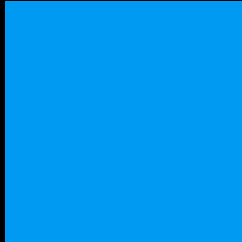
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7333, 29.5823, 89.0423 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

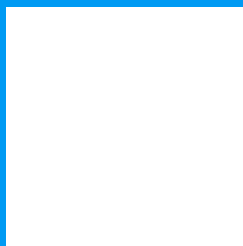
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.7333, 29.5823, 89.0423

Background



This preview shows how black text looks on a background with the XYZ color 27.7333, 29.5823, 89.0423.



This preview shows how white text looks on a background with the XYZ color 27.7333, 29.5823,

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

27.7333, 29.5823, 89.0423

Protanopia

31.6346, 29.3977, 81.8489

Deuteranopia

30.3987, 29.5053, 89.6809



Tritanopia

21.0133, 29.6461, 45.1722

Trichromacy



Original Color

27.7333, 29.5823, 89.0423



Protanomaly

28.5485, 28.6720, 84.1503



Deuteranomaly

28.6517, 29.0744, 89.6898



Tritanomaly

22.9961, 29.3117, 59.0893

Monochromacy



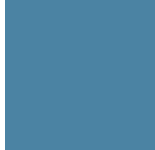
Original Color

27.7333, 29.5823, 89.0423



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

17.6288, 20.3728, 37.6535

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7333, 29.5823, 89.0423 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, 154, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 243)  
}
```

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, 154, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 243) }
```

Border

The CSS property to change the border of an element to XYZ 27.7333, 29.5823, 89.0423 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, 154, 243) }
```


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

```
.border{ border-color:rgb(0, 154, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 154, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7333, 29.5823, 89.0423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 154, 243) }
```

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

```
.background{ background-color: rgb(0, 154,  
243) }
```

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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