

Converting Colors

XYZ(26.7304, 29.2141, 85.6075)

Have a look what the booklet for
XYZ(26.7304, 29.2141, 85.6075)
contains.

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Color

**XYZ(27.1356, 29.3432,
85.8950)**

Conversions

Conversions Part 1

Format	Color
Hex	009AEF
RGB	0, 154, 239
RGB Percent	0%, 60%, 94%
CMY	0.9997, 0.3961, 0.0627
CMYK	1.00, 0.36, 0.00, 0.06
HSL	201°, 100%, 47%
HSV	201°, 100%, 94%
XYZ	27.1356, 29.3432, 85.8950
YIQ	117.6440, -119.0690, -6.2130

Conversions

Conversions Part 2

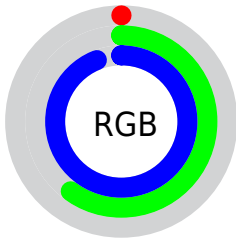
Format	Color
R _{YB}	0, 94, 239
Decimal	39663
CIE Lab	61.08, -3.02, -51.90
CIE LCh	61, 51.984, 266.667
Yxy	29.3432, 0.1906, 0.2061
Android (android.graphics.Color)	4278229743 (0xFF009AEF)
YUV	117.6440, 59.8285, -103.1738
Hunter-Lab	54.1694, -5.3786, -56.0961

Details

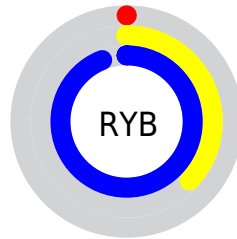
The XYZ color **27.1356, 29.3432, 85.8950** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.8510, 24.8584, 2.7524**, and the grayscale version is **16.9612, 17.8445, 19.4327**.

A 20% lighter version of the original color is **46.7902, 55.5199, 102.8580**, and **13.2937, 13.0779, 46.0796** is the 20% darker color. If you saturate the color by 10%, you get **27.1321, 29.3359, 85.8944**, and if you desaturate by 10%, it is **28.9652, 32.4443, 86.3978**.

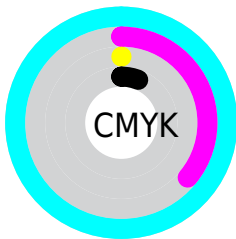
Distribution



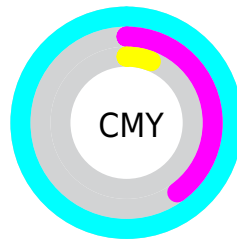
- Red (0%)
- Green (60%)
- Blue (94%)



- Red (0%)
- Yellow (37%)
- Blue (94%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (40%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1356, 29.3432, 85.8950 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 27.1356, 29.3432, 85.8950 by changing the saturation by 10% instead.

■ 27.1356, 29.3432,
85.8950

■ 27.1356, 29.3432,
85.8950

280.4687,
298.8308, 534.8066

■ 17.8122, 19.3406,
64.0268

■ 54.5197, 58.6219,
143.5082

■ 10.9141, 11.9166,
46.2260

■ 73.3112, 78.6668,
180.0902

■ 6.0760, 6.6869,
32.0743

■ 95.9894, 102.8280,
222.4139

■ 2.9324, 3.2671,
21.1529

■ 122.9196,
131.4897, 270.8979

■ 1.1181, 1.2727,
13.0435

■ 154.4673,
165.0365, 325.9606

■ 0.0402, 0.1199,
7.3274

190.9978,

■ 0.0000, 0.0000,

203.8527, 388.0205

3.5862

232.8765,
248.3227, 457.4964

■ 0.0000, 0.0000,
1.4012

■ 0.0000, 0.0000,
0.1426

■ 27.1356, 29.3432,
85.8950

■ 27.1356, 29.3432,
85.8950

■ 27.1321, 29.3359,
85.8944

■ 28.9652, 32.4443,
86.3978

■ 31.3568, 35.9853,
86.9552

■ 34.4574, 40.0451,
87.5754

■ 38.3545, 44.6718,
88.2631

■ 43.1217, 49.9058,
89.0221

■ 48.8238, 55.7834,
89.8560

■ 55.5187, 62.3368,
90.7681

■ 63.2597, 69.5962,
91.7613

■ 72.0959, 77.5891,
92.8384

Harmonies

Analogous

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



21.2971, 29.3432, 74.6249



27.1356, 29.3432, 85.8950



34.1872, 29.3432, 78.5285

Triad

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



27.1356, 29.3432, 85.8950



41.3001, 29.3432, 17.9046



18.3200, 29.3432, 15.4589

Complementary

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



27.1356, 29.3432, 85.8950



38.8510, 24.8584, 2.7524

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.



22.4175, 29.3432, 8.7927



27.1356, 29.3432, 85.8950



35.7195, 29.3432, 9.7476

Square

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



27.1356, 29.3432, 85.8950



43.1061, 29.3432, 34.1795



28.6579, 29.3432, 7.2347



16.7561, 29.3432, 29.8191

Rectangle

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



27.1356, 29.3432, 85.8950



38.5366, 29.3432, 65.2016



28.6579, 29.3432, 7.2347



19.4104, 29.3432, 12.5098

Sweetspot

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



27.1368, 29.3441, 85.8958



64.2095, 72.1131, 105.1428



32.4558, 62.3693, 18.6526



13.0116, 14.7276, 22.4069



0.0000, 0.0000, 0.0000



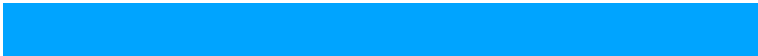
20.3446, 21.4041, 23.3091

Same Dimension

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



27.1368, 29.3441, 85.8958



31.3766, 33.8731, 99.4922



16.2090, 7.4886, 82.2532



15.7468, 16.9278, 20.1590



15.1219, 16.4681, 47.5095



1.3515, 1.5569, 3.9835

Inverse Universe

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



41.4305, 20.6855, 32.3815



47.9666, 23.9507, 37.3520



56.9912, 61.1388, 8.7991



16.2016, 15.9304, 18.6181



22.9585, 11.4558, 18.2297



1.9571, 0.9719, 1.7650

Previews

White Background



This preview shows how the XYZ color 27.1356, 29.3432, 85.8950 looks on a white background.

Color Contrast Check

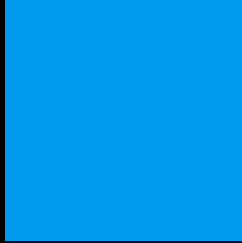
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1356, 29.3432, 85.8950 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

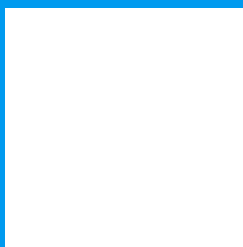
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1356, 29.3432, 85.8950

Background



This preview shows how black text looks on a background with the XYZ color 27.1356, 29.3432, 85.8950.



This preview shows how white text looks on a background with the XYZ color 27.1356, 29.3432,

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

27.1356, 29.3432, 85.8950

Protanopia

31.3264, 29.3045, 78.8682

Deuteranopia

30.2414, 29.2445, 87.2700



Tritanopia

20.8351, 29.2895, 45.1128

Trichromacy



Original Color

27.1356, 29.3432, 85.8950

Protanomaly

28.0455, 28.4795, 81.1097

Deuteranomaly

28.2101, 28.9162, 86.5326

Tritanomaly

22.7638, 29.2188, 57.8661

Monochromacy



Original Color

27.1356, 29.3432, 85.8950

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.5395, 20.3371, 37.1834

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1356, 29.3432, 85.8950 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, 239)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 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(0, 154, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 239) }
```

Border

The CSS property to change the border of an element to XYZ 27.1356, 29.3432, 85.8950 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, 239) }
```


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

```
.border{ border-color:rgb(0, 154, 239) }
```

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, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 239);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1356, 29.3432, 85.8950 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, 239) }
```

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

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