

Converting Colors

XYZ(27.0037, 29.4054, 84.8419)

Have a look what the booklet for
XYZ(27.0037, 29.4054, 84.8419)
contains.

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Color

**XYZ(26.9882, 29.2842,
85.1189)**

Conversions

Conversions Part 1

Format	Color
Hex	009AEE
RGB	0, 154, 238
RGB Percent	0%, 60%, 93%
CMY	0.9997, 0.3961, 0.0667
CMYK	1.00, 0.35, 0.00, 0.07
HSL	201°, 100%, 47%
HSV	201°, 100%, 93%
XYZ	26.9882, 29.2842, 85.1189
YIQ	117.5300, -118.7480, -6.5240

Conversions

Conversions Part 2

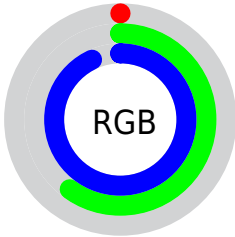
Format	Color
RYB	0, 93, 238
Decimal	39662
CIELab	61.03, -3.40, -51.43
CIELCh	61, 51.539, 266.221
Yxy	29.2842, 0.1909, 0.2071
Android (android.graphics.Color)	4278229742 (0xFF009AEE)
YUV	117.5300, 59.3917, -103.0738
Hunter-Lab	54.1149, -5.6794, -55.3786

Details

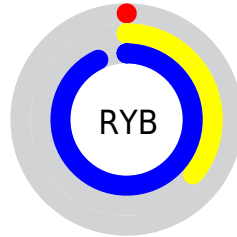
The XYZ color **26.9882, 29.2842, 85.1189** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **38.4360, 24.5283, 2.7105**, and the grayscale version is **16.9271, 17.8086, 19.3936**.

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 **26.9847, 29.2770, 85.1183**, and if you desaturate by 10%, it is **28.7978, 32.3487, 85.6157**.

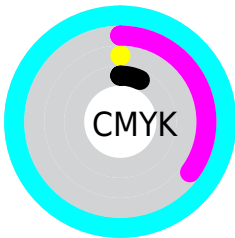
Distribution



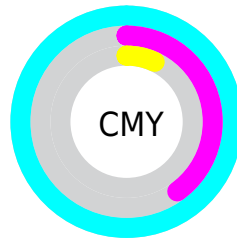
- Red (0%)
- Green (60%)
- Blue (93%)



- Red (0%)
- Yellow (36%)
- Blue (93%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (40%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9882, 29.2842, 85.1189 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 26.9882, 29.2842, 85.1189 by changing the saturation by 10% instead.

■ 26.9882, 29.2842,
85.1189

■ 26.9882, 29.2842,
85.1189

279.7686,
298.5535, 532.1763

■ 17.7009, 19.2959,
63.3889

■ 54.2850, 58.5283,
142.4149

■ 10.8338, 11.8843,
45.7129

■ 73.0251, 78.5530,
178.8180

■ 6.0217, 6.6649,
31.6723

■ 95.6470, 102.6918,
220.9493

■ 2.8991, 3.2535,
20.8486

■ 122.5158,
131.3293, 269.2272

■ 1.1006, 1.2654,
12.8232

■ 153.9970,
164.8498, 324.0703

■ 0.0256, 0.1142,
7.1776

190.4560,

■ 0.0000, 0.0000,

203.6378, 385.8972

3.4933

232.2581,
248.0776, 455.1263

■ 0.0000, 0.0000,
1.3517

■ 0.0000, 0.0000,
0.1036

■ 26.9882, 29.2842,
85.1189

■ 26.9882, 29.2842,
85.1189

■ 26.9847, 29.2770,
85.1183

■ 28.7978, 32.3487,
85.6157

■ 31.1622, 35.8459,
86.1661

■ 34.2274, 39.8541,
86.7782

■ 38.0799, 44.4205,
87.4566

■ 42.7924, 49.5853,
88.2051

■ 48.4290, 55.3841,
89.0273

■ 55.0471, 61.8489,
89.9263

■ 62.6992, 69.0094,
90.9051

■ 71.4339, 76.8928,
91.9664

Harmonies

Analogous

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



21.2314, 29.2842, 73.7617



26.9882, 29.2842, 85.1189



33.9623, 29.2842, 78.1243

Triad

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



26.9882, 29.2842, 85.1189



41.1557, 29.2842, 18.1358



18.3906, 29.2842, 15.3796

Complementary

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



26.9882, 29.2842, 85.1189



38.4360, 24.5283, 2.7105

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.



22.4907, 29.2842, 8.8325



26.9882, 29.2842, 85.1189



35.6800, 29.2842, 9.9134

Square

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



26.9882, 29.2842, 85.1189



42.8736, 29.2842, 34.3952



28.6968, 29.2842, 7.3369



16.8003, 29.2842, 29.5010

Rectangle

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



26.9882, 29.2842, 85.1189



38.2801, 29.2842, 65.0811



28.6968, 29.2842, 7.3369



19.4851, 29.2842, 12.4811

Sweetspot

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



26.9894, 29.2851, 85.1197



64.2664, 72.2270, 105.1618



32.1502, 61.7798, 18.4835



13.0252, 14.7548, 22.4114



0.0000, 0.0000, 0.0000



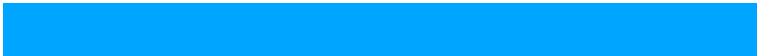
20.3446, 21.4041, 23.3091

Same Dimension

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



26.9894, 29.2851, 85.1197



31.5008, 34.1215, 99.5336



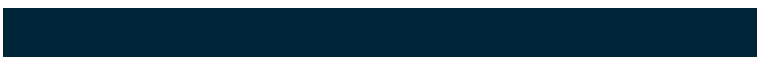
16.0571, 7.4206, 81.4756



15.7505, 16.9352, 20.1603



15.1808, 16.5859, 47.5292



1.3561, 1.5662, 3.9850

Inverse Universe

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



41.0937, 20.5119, 32.3657



48.0293, 23.9757, 37.6821



56.4540, 60.5644, 8.7166



16.2035, 15.9311, 18.6280



22.9882, 11.4677, 18.3862



1.9594, 0.9728, 1.7773

Previews

White Background



This preview shows how the XYZ color 26.9882, 29.2842, 85.1189 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 26.9882, 29.2842, 85.1189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

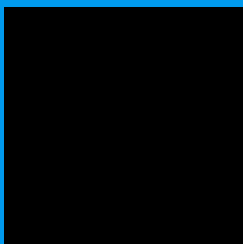
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

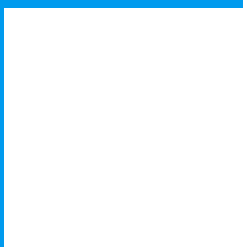
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.9882, 29.2842, 85.1189

Background



This preview shows how black text looks on a background with the XYZ color 26.9882, 29.2842, 85.1189.

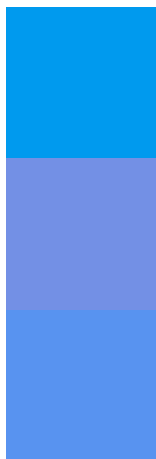


This preview shows how white text looks on a background with the XYZ color 26.9882, 29.2842,

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

26.9882, 29.2842, 85.1189

Protanopia

31.1863, 29.2485, 78.1306

Deuteranopia

30.1864, 29.2334, 86.4897



Tritanopia

20.7372, 29.2504, 44.5973

Trichromacy



Original Color

26.9882, 29.2842, 85.1189

Protanomaly

27.9030, 28.4225, 80.3594

Deuteranomaly

28.1172, 28.8854, 85.7549

Tritanomaly

22.6488, 29.1728, 57.2605

Monochromacy



Original Color

26.9882, 29.2842, 85.1189

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 26.9882, 29.2842, 85.1189 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 238) }
```

Border

The CSS property to change the border of an element to XYZ 26.9882, 29.2842, 85.1189 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, 238) }
```


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

```
.border{ border-color:rgb(0, 154, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9882, 29.2842, 85.1189 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, 238) }
```

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

```
.background{ background-color: rgb(0, 154,  
238) }
```

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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