

Converting Colors

XYZ(27.5085, 29.3137, 88.4097)

Have a look what the booklet for
XYZ(27.5085, 29.3137, 88.4097)
contains.

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Color

**XYZ(27.4182, 29.1933,
88.1942)**

Conversions

Conversions Part 1

Format	Color
Hex	0099F2
RGB	0, 153, 242
RGB Percent	0%, 60%, 95%
CMY	0.9998, 0.4000, 0.0510
CMYK	1.00, 0.37, 0.00, 0.05
HSL	202°, 100%, 47%
HSV	202°, 100%, 95%
XYZ	27.4182, 29.1933, 88.1942
YIQ	117.3990, -119.7570, -4.7570

Conversions

Conversions Part 2

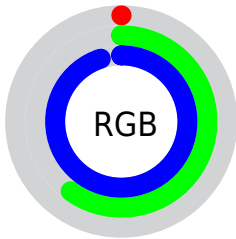
Format	Color
R _Y B	0, 94, 242
Decimal	39410
CIE Lab	60.95, -1.32, -53.76
CIE LCh	61, 53.774, 268.597
Yxy	29.1933, 0.1893, 0.2016
Android (android.graphics.Color)	4278229490 (0xFF0099F2)
YUV	117.3990, 61.4283, -102.9589
Hunter-Lab	54.0308, -3.9733, -58.9571

Details

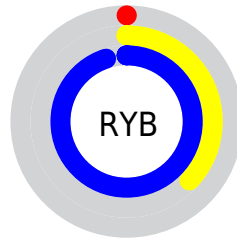
The XYZ color **27.4182, 29.1933, 88.1942** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **40.1960, 26.0323, 2.9079**, and the grayscale version is **16.8802, 17.7593, 19.3399**.

A 20% lighter version of the original color is **46.6695, 55.0969, 102.7828**, and **13.6072, 13.2033, 47.7303** is the 20% darker color. If you saturate the color by 10%, you get **27.4149, 29.1865, 88.1937**, and if you desaturate by 10%, it is **29.3134, 32.4150, 88.7168**.

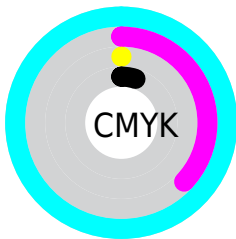
Distribution



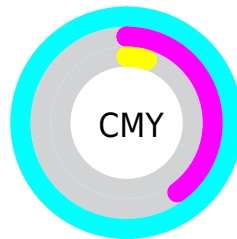
- Red (0%)
- Green (60%)
- Blue (95%)



- 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 27.4182, 29.1933, 88.1942 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 27.4182, 29.1933, 88.1942 by changing the saturation by 10% instead.

■ 27.4182, 29.1933,
88.1942

■ 27.4182, 29.1933,
88.1942

281.8071,
298.1259, 542.5568

■ 18.0258, 19.2271,
65.9187

■ 54.9694, 58.3841,
146.7410

■ 11.0683, 11.8345,
47.7503

■ 73.8588, 78.3774,
183.8494

■ 6.1804, 6.6311,
33.2706

■ 96.6447, 102.4819,
226.7391

■ 2.9968, 3.2325,
22.0610

■ 123.6923,
131.0820, 275.8287

■ 1.1521, 1.2543,
13.7030

■ 155.3669,
164.5621, 331.5367

■ 0.0680, 0.1054,
7.7780

192.0341,

■ 0.0000, 0.0000,

203.3065, 394.2817

3.8675

234.0590,
247.6996, 464.4822

■ 0.0000, 0.0000,
1.5529

■ 0.0000, 0.0000,
0.2569

■ 27.4182, 29.1933,
88.1942

■ 27.4182, 29.1933,
88.1942

■ 27.4149, 29.1865,
88.1937

■ 29.3134, 32.4150,
88.7168

■ 31.7942, 36.1030,
89.2979

■ 35.0116, 40.3389,
89.9460

■ 39.0560, 45.1723,
90.6657

■ 44.0037, 50.6458,
91.4615

■ 49.9216, 56.7969,
92.3368

■ 56.8697, 63.6594,
93.2952

■ 64.9031, 71.2645,
94.3398

■ 74.0725, 79.6414,
95.4734

Harmonies

Analogous

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



21.2928, 29.1933, 77.5024



27.4182, 29.1933, 88.1942



34.7210, 29.1933, 79.2296

Triad

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



27.4182, 29.1933, 88.1942



41.3630, 29.1933, 16.6439



17.7492, 29.1933, 15.6015

Complementary

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



27.4182, 29.1933, 88.1942



40.1960, 26.0323, 2.9079

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.



21.7762, 29.1933, 8.4954



27.4182, 29.1933, 88.1942



35.3899, 29.1933, 8.8942

Square

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



27.4182, 29.1933, 88.1942



43.5433, 29.1933, 32.7424



28.0791, 29.1933, 6.6896



16.3245, 29.1933, 30.8495

Rectangle

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



27.4182, 29.1933, 88.1942



39.1506, 29.1933, 64.8113



28.0791, 29.1933, 6.6896



18.8059, 29.1933, 12.4650

Sweetspot

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



27.4194, 29.1942, 88.1950



63.9556, 71.6053, 105.0581



33.5468, 64.2226, 20.0292



12.9510, 14.6064, 22.3867



0.0000, 0.0000, 0.0000



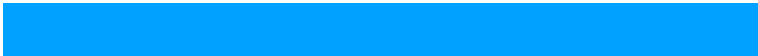
20.3446, 21.4041, 23.3091

Same Dimension

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



27.4194, 29.1942, 88.1950



30.8292, 32.7784, 99.3097



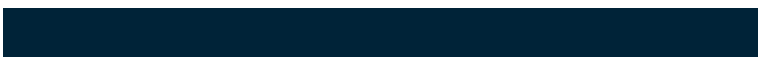
16.5531, 7.4616, 84.5729



15.7302, 16.8945, 20.1535



14.8623, 15.9489, 47.4230



1.3310, 1.5160, 3.9767

Inverse Universe

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



42.3688, 21.1787, 31.9924



47.6904, 23.8401, 35.8971



59.6016, 64.8435, 9.3765



16.1932, 15.9270, 18.5738



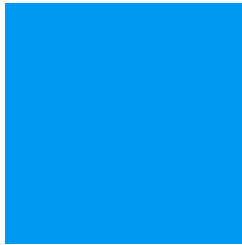
22.8274, 11.4034, 17.5397



1.9468, 0.9678, 1.7106

Previews

White Background



This preview shows how the XYZ color 27.4182, 29.1933, 88.1942 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 27.4182, 29.1933, 88.1942 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

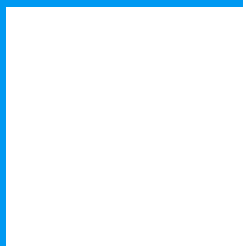
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.4182, 29.1933, 88.1942

Background



This preview shows how black text looks on a background with the XYZ color 27.4182, 29.1933, 88.1942.



This preview shows how white text looks on a background with the XYZ color 27.4182, 29.1933,

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

27.4182, 29.1933, 88.1942

Protanopia

31.2125, 28.9729, 81.0380

Deuteranopia

30.0047, 29.0878, 88.8271



Tritanopia

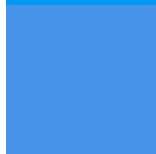
20.7372, 29.2504, 44.5973

Trichromacy



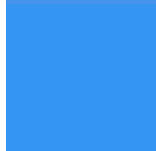
Original Color

27.4182, 29.1933, 88.1942



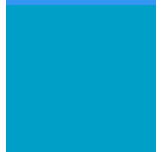
Protanomaly

28.1726, 28.2632, 83.3274



Deuteranomaly

28.3413, 28.6960, 88.8392



Tritanomaly

22.7069, 28.9198, 58.4181

Monochromacy



Original Color

27.4182, 29.1933, 88.1942



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

17.3283, 20.0297, 37.1352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4182, 29.1933, 88.1942 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, 153, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 242)  
}
```

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, 153, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 242) }
```

Border

The CSS property to change the border of an element to XYZ 27.4182, 29.1933, 88.1942 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, 153, 242) }
```


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

```
.border{ border-color:rgb(0, 153, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 153, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4182, 29.1933, 88.1942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 242) }
```

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

```
.background{ background-color: rgb(0, 153,  
242) }
```

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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