

Converting Colors

XYZ(14.7935, 22.6238, 86.3411)

Have a look what the booklet for
XYZ(14.7935, 22.6238, 86.3411)
contains.

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Color

**XYZ(27.1194, 29.0737,
86.6205)**

Conversions

Conversions Part 1

Format	Color
Hex	0099F0
RGB	0, 153, 240
RGB Percent	0%, 60%, 94%
CMY	0.9997, 0.4000, 0.0588
CMYK	1.00, 0.36, 0.00, 0.06
HSL	202°, 100%, 47%
HSV	202°, 100%, 94%
XYZ	27.1194, 29.0737, 86.6205
YIQ	117.1710, -119.1150, -5.3790

Conversions

Conversions Part 2

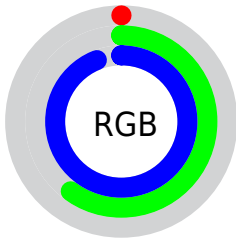
Format	Color
R _{YB}	0, 93, 240
Decimal	39408
CIE Lab	60.85, -2.07, -52.82
CIE LCh	61, 52.864, 267.758
Yxy	29.0737, 0.1899, 0.2036
Android (android.graphics.Color)	4278229488 (0xFF0099F0)
YUV	117.1710, 60.5547, -102.7590
Hunter-Lab	53.9200, -4.5824, -57.5031

Details

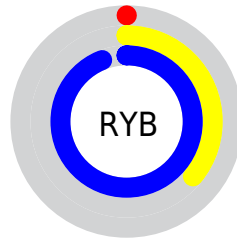
The XYZ color **27.1194, 29.0737, 86.6205** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **39.3495, 25.3529, 2.8216**, and the grayscale version is **16.8128, 17.6884, 19.2626**.

A 20% lighter version of the original color is **46.5472, 55.0338, 102.7770**, and **13.3975, 13.1194, 46.6259** is the 20% darker color. If you saturate the color by 10%, you get **27.1157, 29.0661, 86.6199**, and if you desaturate by 10%, it is **28.9748, 32.2227, 87.1312**.

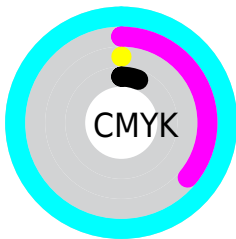
Distribution



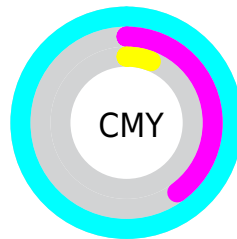
- Red (0%)
- Green (60%)
- Blue (94%)



- Red (0%)
- Yellow (36%)
- 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 27.1194, 29.0737, 86.6205 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 27.1194, 29.0737, 86.6205 by changing the saturation by 10% instead.

■ 27.1194, 29.0737,
86.6205

■ 27.1194, 29.0737,
86.6205

280.3918,
297.5625, 537.2588

■ 17.8000, 19.1366,
64.6234

■ 54.4939, 58.1942,
144.5293

■ 10.9053, 11.7690,
46.7063

■ 73.2798, 78.1463,
181.2780

■ 6.0700, 6.5866,
32.4509

■ 95.9518, 102.2055,
223.7809

■ 2.9288, 3.2049,
21.4385

■ 122.8753,
130.7563, 272.4567

■ 1.1162, 1.2396,
13.2505

■ 154.4157,
164.1830, 327.7239

■ 0.0386, 0.0937,
7.4685

190.9383,

■ 0.0000, 0.0000,

202.8700, 390.0009

3.6739

232.8086,
247.2017, 459.7064

■ 0.0000, 0.0000,
1.4482

■ 0.0000, 0.0000,
0.1789

■ 27.1194, 29.0737,
86.6205

■ 27.1194, 29.0737,
86.6205

■ 27.1157, 29.0661,
86.6199

■ 28.9748, 32.2227,
87.1312

■ 31.4014, 35.8233,
87.6983

■ 34.5477, 39.9553,
88.3300

■ 38.5022, 44.6675,
89.0311

■ 43.3394, 50.0011,
89.8057

■ 49.1248, 55.9927,
90.6572

■ 55.9171, 62.6753,
91.5891

■ 63.7702, 70.0795,
92.6044

■ 72.7338, 78.2335,
93.7058

Harmonies

Analogous

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



21.1591, 29.0737, 75.7376



27.1194, 29.0737, 86.6205



34.2652, 29.0737, 78.4198

Triad

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



27.1194, 29.0737, 86.6205



41.0732, 29.0737, 17.0848



17.8857, 29.0737, 15.4390

Complementary

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



27.1194, 29.0737, 86.6205



39.3495, 25.3529, 2.8216

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.



21.9182, 29.0737, 8.5708



27.1194, 29.0737, 86.6205



35.3102, 29.0737, 9.2062

Square

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



27.1194, 29.0737, 86.6205



43.0747, 29.0737, 33.1617



28.1544, 29.0737, 6.8828



16.4094, 29.0737, 30.1972

Rectangle

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



27.1194, 29.0737, 86.6205



38.6315, 29.0737, 64.5728



28.1544, 29.0737, 6.8828



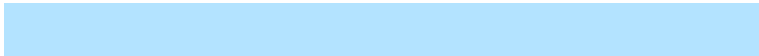
18.9505, 29.0737, 12.4049

Sweetspot

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



27.1206, 29.0746, 86.6213



64.0656, 71.8254, 105.0948



32.7631, 62.9619, 18.8227



12.9772, 14.6590, 22.3954



0.0000, 0.0000, 0.0000



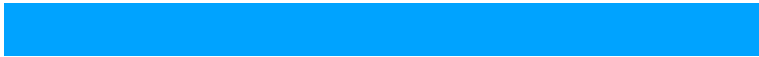
20.3446, 21.4041, 23.3091

Same Dimension

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



27.1206, 29.0746, 86.6213



31.0651, 33.2503, 99.3884



16.3618, 7.5570, 83.0350



15.7374, 16.9089, 20.1559



14.9742, 16.1727, 47.4603



1.3398, 1.5337, 3.9796

Inverse Universe

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



41.6861, 20.8268, 31.9604



47.8094, 23.8878, 36.5242



57.5313, 61.7164, 8.8822



16.1969, 15.9285, 18.5930



22.8839, 11.4260, 17.8372



1.9512, 0.9695, 1.7341

Previews

White Background



This preview shows how the XYZ color 27.1194, 29.0737, 86.6205 looks on a white background.

Color Contrast Check

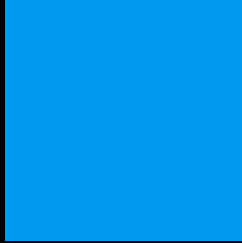
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1194, 29.0737, 86.6205 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

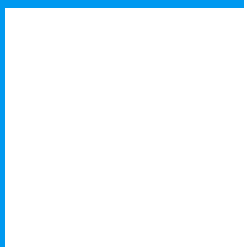
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.1194, 29.0737, 86.6205

Background



This preview shows how black text looks on a background with the XYZ color 27.1194, 29.0737, 86.6205.

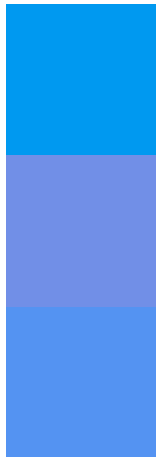


This preview shows how white text looks on a background with the XYZ color 27.1194, 29.0737,

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

27.1194, 29.0737, 86.6205

Protanopia

31.0563, 28.9252, 79.5476

Deuteranopia

30.1169, 29.1631, 88.0461



Tritanopia

20.5603, 28.8967, 44.5384

Trichromacy



Original Color

27.1194, 29.0737, 86.6205

Protanomaly

27.9575, 28.1857, 81.8088

Deuteranomaly

28.0928, 28.6026, 87.2593

Tritanomaly

22.5912, 28.8735, 57.8085

Monochromacy



Original Color

27.1194, 29.0737, 86.6205

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 27.1194, 29.0737, 86.6205 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, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 240)  
}
```

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, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 240) }
```

Border

The CSS property to change the border of an element to XYZ 27.1194, 29.0737, 86.6205 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, 240) }
```


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

```
.border{ border-color:rgb(0, 153, 240) }
```

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, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 153, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 153, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 153,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1194, 29.0737, 86.6205 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, 240) }
```

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

```
.background{ background-color: rgb(0, 153,  
240) }
```

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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