

Converting Colors

XYZ(13.6780, 22.3816, 90.9986)

Have a look what the booklet for
XYZ(13.6780, 22.3816, 90.9986)
contains.

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Color

**XYZ(28.1902, 29.7650,
91.4482)**

Conversions

Conversions Part 1

Format	Color
Hex	009AF6
RGB	0, 154, 246
RGB Percent	0%, 60%, 96%
CMY	0.9997, 0.3961, 0.0353
CMYK	1.00, 0.37, 0.00, 0.04
HSL	202°, 100%, 48%
HSV	202°, 100%, 96%
XYZ	28.1902, 29.7650, 91.4482
YIQ	118.4420, -121.3160, -4.0360

Conversions

Conversions Part 2

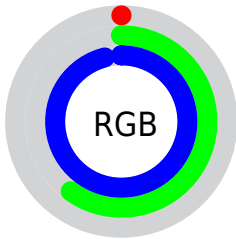
Format	Color
R _{YB}	0, 95, 246
Decimal	39670
CIE _{Lab}	61.45, -0.40, -55.16
CIE _{LCh}	61, 55.164, 269.589
Yxy	29.7650, 0.1887, 0.1992
Android (android.graphics.Color)	4278229750 (0xFF009AF6)
YUV	118.4420, 62.8861, -103.8736
Hunter-Lab	54.5573, -3.2429, -61.1910

Details

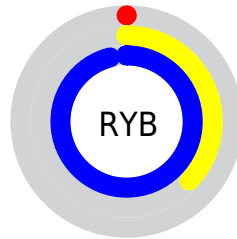
The XYZ color **28.1902, 29.7650, 91.4482** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **41.8405, 27.2607, 3.0588**, and the grayscale version is **17.2021, 18.0979, 19.7086**.

A 20% lighter version of the original color is **47.0363, 55.6467, 102.8696**, and **14.1356, 13.5748, 50.0193** is the 20% darker color. If you saturate the color by 10%, you get **28.1857, 29.7559, 91.4474**, and if you desaturate by 10%, it is **30.1611, 33.1233, 91.9932**.

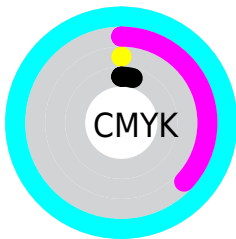
Distribution



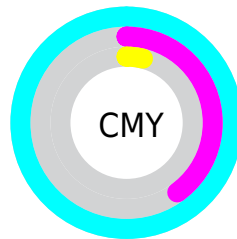
- Red (0%)
- Green (60%)
- Blue (96%)



- Red (0%)
- Yellow (37%)
- Blue (96%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (40%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1902, 29.7650, 91.4482 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 28.1902, 29.7650, 91.4482 by changing the saturation by 10% instead.

■ 28.1902, 29.7650,
91.4482

■ 28.1902, 29.7650,
91.4482

285.4383,
300.8075, 553.4218

■ 18.6103, 19.6603,
68.6019

■ 56.1945, 59.2903,
151.3014

■ 11.4913, 12.1483,
49.9179

■ 75.3495, 79.4798,
189.1455

■ 6.4681, 6.8448,
34.9774

■ 98.4270, 103.7995,
232.8259

■ 3.1751, 3.3652,
23.3621

■ 125.7923,
132.6340, 282.7611

■ 1.2470, 1.3252,
14.6533

■ 157.8107,
166.3677, 339.3698

■ 0.1430, 0.1606,
8.4325

194.8476,

■ 0.0000, 0.0000,

205.3849, 403.0705

4.2812

237.2683,
250.0701, 474.2816

■ 0.0000, 0.0000,
1.7808

■ 0.0000, 0.0000,
0.4153

■ 28.1902, 29.7650,
91.4482

■ 28.1902, 29.7650,
91.4482

■ 28.1857, 29.7559,
91.4474

■ 30.1611, 33.1233,
91.9932

■ 32.7448, 36.9739,
92.6003

■ 36.0974, 41.4010,
93.2781

■ 40.3132, 46.4570,
94.0318

■ 45.4719, 52.1862,
94.8657

■ 51.6432, 58.6278,
95.7838

■ 58.8896, 65.8174,
96.7897

■ 67.2686, 73.7877,
97.8865

■ 76.8331, 82.5692,
99.0773

Harmonies

Analogous

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



21.7689, 29.7650, 80.8534



28.1902, 29.7650, 91.4482



35.7959, 29.7650, 81.3848

Triad

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



28.1902, 29.7650, 91.4482



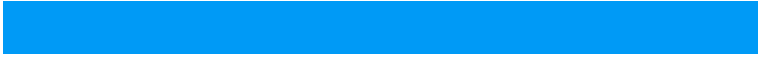
42.3225, 29.7650, 16.3472



17.8377, 29.7650, 16.0328

Complementary

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



28.1902, 29.7650, 91.4482



41.8405, 27.2607, 3.0588

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.



21.9156, 29.7650, 8.5266



28.1902, 29.7650, 91.4482



36.0002, 29.7650, 8.6455

Square

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



28.1902, 29.7650, 91.4482



44.7596, 29.7650, 32.6982



28.3915, 29.7650, 6.5521



16.4564, 29.7650, 32.1216

Rectangle

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



28.1902, 29.7650, 91.4482



40.3688, 29.7650, 66.0417



28.3915, 29.7650, 6.5521



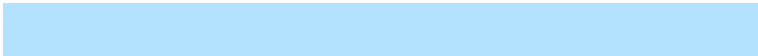
18.8996, 29.7650, 12.7220

Sweetspot

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



28.1914, 29.7659, 91.4490



63.8252, 71.3446, 105.0147



34.8131, 66.6550, 20.7594



12.9199, 14.5443, 22.3763



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.



28.1914, 29.7659, 91.4490



30.5524, 32.2248, 99.2175



17.1758, 7.7347, 87.7771



16.4454, 17.6551, 21.0836



15.1834, 16.1606, 48.8571



1.4329, 1.6173, 4.3269

Inverse Universe

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



43.8400, 21.9278, 32.4942



47.5506, 23.7843, 35.1614



61.8541, 67.2878, 9.7300



16.9354, 16.6570, 19.4064



23.4684, 11.7308, 17.7068



2.1123, 1.0509, 1.8179

Previews

White Background



This preview shows how the XYZ color 28.1902, 29.7650, 91.4482 looks on a white background.

Color Contrast Check

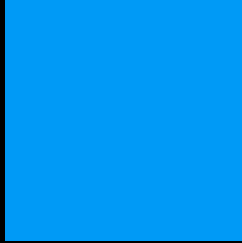
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1902, 29.7650, 91.4482 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

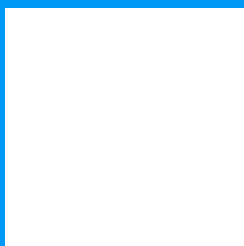
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.1902, 29.7650, 91.4482

Background



This preview shows how black text looks on a background with the XYZ color 28.1902, 29.7650, 91.4482.

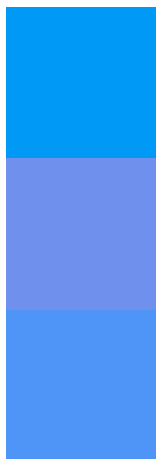


This preview shows how white text looks on a background with the XYZ color 28.1902, 29.7650,

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

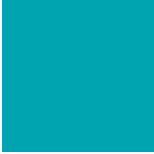
28.1902, 29.7650, 91.4482

Protanopia

31.8149, 29.4404, 84.1265

Deuteranopia

30.7604, 29.8726, 92.1404



Tritanopia

21.1119, 29.6855, 45.6915

Trichromacy



Original Color

28.1902, 29.7650, 91.4482

Protanomaly

28.9166, 28.8107, 86.4750

Deuteranomaly

29.1705, 29.5267, 92.1575

Tritanomaly

23.1134, 29.3587, 59.7069

Monochromacy



Original Color

28.1902, 29.7650, 91.4482

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

17.8095, 20.4451, 38.6049

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1902, 29.7650, 91.4482 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, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 246)  
}
```

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, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.1902, 29.7650, 91.4482 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, 246) }
```


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

```
.border{ border-color:rgb(0, 154, 246) }
```

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, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1902, 29.7650, 91.4482 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, 246) }
```

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

```
.background{ background-color: rgb(0, 154,  
246) }
```

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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