

Converting Colors

XYZ(22.1789, 27.3449, 91.1533)

Have a look what the booklet for
XYZ(22.1789, 27.3449, 91.1533)
contains.

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Color

**XYZ(28.6915, 30.7678,
91.6153)**

Conversions

Conversions Part 1

Format	Color
Hex	009DF6
RGB	0, 157, 246
RGB Percent	0%, 62%, 96%
CMY	0.9997, 0.3843, 0.0353
CMYK	1.00, 0.36, 0.00, 0.04
HSL	202°, 100%, 48%
HSV	202°, 100%, 96%
XYZ	28.6915, 30.7678, 91.6153
YIQ	120.2030, -122.1410, -5.6050

Conversions

Conversions Part 2

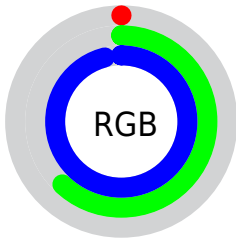
Format	Color
RYB	0, 96, 246
Decimal	40438
CIELab	62.31, -2.14, -53.79
CIELCh	62, 53.837, 267.723
Yxy	30.7678, 0.1899, 0.2037
Android (android.graphics.Color)	4278230518 (0xFF009DF6)
YUV	120.2030, 62.0179, -105.4180
Hunter-Lab	55.4687, -4.7402, -59.0986

Details

The XYZ color **28.6915, 30.7678, 91.6153** 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 **41.5845, 26.7489, 2.9732**, and the grayscale version is **17.7601, 18.6850, 20.3480**.

A 20% lighter version of the original color is **47.7747, 57.1235, 103.1157**, and **14.3393, 13.9822, 50.0872** is the 20% darker color. If you saturate the color by 10%, you get **28.6878, 30.7602, 91.6147**, and if you desaturate by 10%, it is **30.6462, 34.0938, 92.1550**.

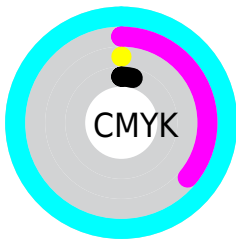
Distribution



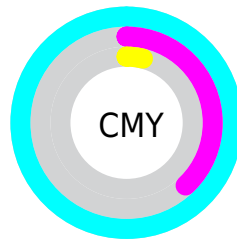
- Red (0%)
- Green (62%)
- Blue (96%)



- Red (0%)
- Yellow (38%)
- Blue (96%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (38%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6915, 30.7678, 91.6153 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 28.6915, 30.7678, 91.6153 by changing the saturation by 10% instead.

■ 28.6915, 30.7678,
91.6153

■ 28.6915, 30.7678,
91.6153

287.7771,
305.4671, 553.9766

■ 18.9907, 20.4221,
68.7399

■ 56.9875, 60.8743,
151.5352

■ 11.7675, 12.7022,
50.0295

■ 76.3135, 81.4039,
189.4167

■ 6.6566, 7.2238,
35.0655

■ 99.5785, 106.0969,
233.1374

■ 3.2927, 3.6025,
23.4294

■ 127.1479,
135.3378, 283.1157

■ 1.3104, 1.4538,
14.7026

■ 159.3871,
169.5108, 339.7703

■ 0.1910, 0.2559,
8.4666

196.6615,

■ 0.0000, 0.0000,

209.0005, 403.5196

4.3029

239.3364,
254.1911, 474.7822

■ 0.0000, 0.0000,
1.7930

■ 0.0000, 0.0000,
0.4233

■ 28.6915, 30.7678,
91.6153

■ 28.6915, 30.7678,
91.6153

■ 28.6878, 30.7602,
91.6147

■ 30.6462, 34.0938,
92.1550

■ 33.2065, 37.8980,
92.7543

■ 36.5285, 42.2644,
93.4220

■ 40.7063, 47.2447,
94.1631

■ 45.8191, 52.8828,
94.9819

■ 51.9366, 59.2174,
95.8822

■ 59.1212, 66.2839,
96.8675

■ 67.4299, 74.1143,
97.9410

■ 76.9157, 82.7389,
99.1057

Harmonies

Analogous

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



22.3900, 30.7678, 80.0881



28.6915, 30.7678, 91.6153



36.2482, 30.7678, 82.9683

Triad

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



28.6915, 30.7678, 91.6153



43.4613, 30.7678, 18.1027



18.9370, 30.7678, 16.3343

Complementary

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



28.6915, 30.7678, 91.6153



41.5845, 26.7489, 2.9732

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.



23.2055, 30.7678, 9.0750



28.6915, 30.7678, 91.6153



37.3705, 30.7678, 9.7580

Square

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



28.6915, 30.7678, 91.6153



45.5720, 30.7678, 35.1183



29.8033, 30.7678, 7.2936



17.3721, 30.7678, 31.9340

Rectangle

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



28.6915, 30.7678, 91.6153



40.8669, 30.7678, 68.3367



29.8033, 30.7678, 7.2936



20.0644, 30.7678, 13.1273

Sweetspot

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



28.6927, 30.7688, 91.6161



64.0806, 71.8554, 105.0998



34.6424, 66.5866, 19.8611



12.9808, 14.6661, 22.3966



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.



28.6927, 30.7688, 91.6161



31.0975, 33.3150, 99.3992



17.2957, 7.9747, 87.8171



16.4630, 17.6903, 21.0894



15.4502, 16.6942, 48.9460



1.4553, 1.6619, 4.3343

Inverse Universe

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



44.0930, 22.0288, 33.8270



47.8258, 23.8943, 36.6103



60.8343, 65.2484, 9.3898



16.9443, 16.6606, 19.4531



23.6031, 11.7847, 18.4160



2.1236, 1.0554, 1.8773

Previews

White Background



This preview shows how the XYZ color 28.6915, 30.7678, 91.6153 looks on a white background.

Color Contrast Check

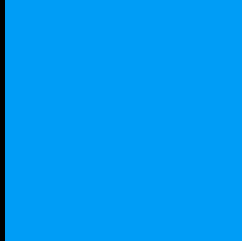
Large Text (above 18pt) WCAG AA × Fail

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 28.6915, 30.7678, 91.6153 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 ✓ Pass

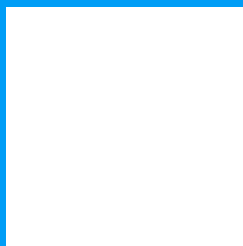
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.6915, 30.7678, 91.6153

Background



This preview shows how black text looks on a background with the XYZ color 28.6915, 30.7678, 91.6153.



This preview shows how white text looks on a background with the XYZ color 28.6915, 30.7678,

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

28.6915, 30.7678, 91.6153

Protanopia

32.9222, 30.6949, 84.3103

Deuteranopia

31.8476, 30.8890, 93.0906



Tritanopia

21.6721, 30.4868, 46.8618

Trichromacy



Original Color

28.6915, 30.7678, 91.6153

Protanomaly

29.6188, 29.8803, 86.6445

Deuteranomaly

29.7553, 30.3101, 92.2778

Tritanomaly

23.8767, 30.5062, 61.1298

Monochromacy



Original Color

28.6915, 30.7678, 91.6153

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.2510, 21.0647, 39.1804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6915, 30.7678, 91.6153 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, 157, 246)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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, 157, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 246) }
```

Border

The CSS property to change the border of an element to XYZ 28.6915, 30.7678, 91.6153 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, 157, 246) }
```


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

```
.border{ border-color:rgb(0, 157, 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, 157, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 246);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6915, 30.7678, 91.6153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 246) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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