

Converting Colors

XYZ(23.0114, 27.9070, 92.3181)

Have a look what the booklet for
XYZ(23.0114, 27.9070, 92.3181)
contains.

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Color

**XYZ(28.8455, 30.8293,
92.4260)**

Conversions

Conversions Part 1

Format	Color
Hex	009DF7
RGB	0, 157, 247
RGB Percent	0%, 62%, 97%
CMY	0.9997, 0.3843, 0.0314
CMYK	1.00, 0.36, 0.00, 0.03
HSL	202°, 100%, 48%
HSV	202°, 100%, 97%
XYZ	28.8455, 30.8293, 92.4260
YIQ	120.3170, -122.4620, -5.2940

Conversions

Conversions Part 2

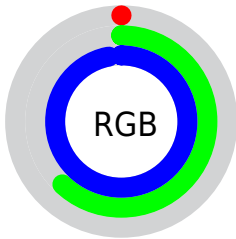
Format	Color
RYB	0, 96, 247
Decimal	40439
CIELab	62.36, -1.76, -54.26
CIELCh	62, 54.288, 268.137
Yxy	30.8293, 0.1896, 0.2027
Android (android.graphics.Color)	4278230519 (0xFF009DF7)
YUV	120.3170, 62.4547, -105.5180
Hunter-Lab	55.5241, -4.4342, -59.8278

Details

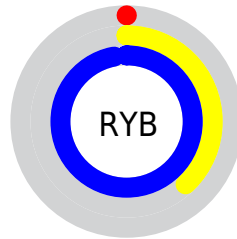
The XYZ color **28.8455, 30.8293, 92.4260** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.0211, 27.0997, 3.0182**, and the grayscale version is **17.7961, 18.7228, 20.3892**.

A 20% lighter version of the original color is **47.7747, 57.1235, 103.1157**, and **14.4483, 14.0258, 50.6609** is the 20% darker color. If you saturate the color by 10%, you get **28.8411, 30.8203, 92.4252**, and if you desaturate by 10%, it is **30.8210, 34.1931, 92.9719**.

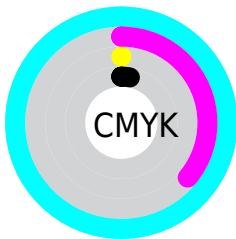
Distribution



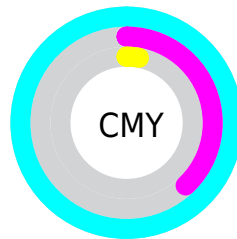
- Red (0%)
- Green (62%)
- Blue (97%)



- Red (0%)
- Yellow (38%)
- Blue (97%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (38%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8455, 30.8293, 92.4260 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 28.8455, 30.8293, 92.4260 by changing the saturation by 10% instead.

■ 28.8455, 30.8293,
92.4260

■ 28.8455, 30.8293,
92.4260

288.4927,
305.7511, 556.6638

■ 19.1077, 20.4689,
69.4095

■ 57.2308, 60.9712,
152.6685

■ 11.8526, 12.7363,
50.5715

■ 76.6090, 81.5215,
190.7316

■ 6.7149, 7.2472,
35.4933

■ 99.9313, 106.2373,
234.6473

■ 3.3292, 3.6172,
23.7565

■ 127.5631,
135.5028, 284.8341

■ 1.3301, 1.4618,
14.9426

■ 159.8698,
169.7026, 341.7106

■ 0.2056, 0.2616,
8.6329

197.2167,

■ 0.0000, 0.0000,

209.2210, 405.6954

4.4090

239.9692,
254.4424, 477.2069

■ 0.0000, 0.0000,
1.8523

■ 0.0000, 0.0000,
0.4621

■ 28.8455, 30.8293,
92.4260

■ 28.8455, 30.8293,
92.4260

■ 28.8411, 30.8203,
92.4252

■ 30.8210, 34.1931,
92.9719

■ 33.4096, 38.0429,
93.5785

■ 36.7687, 42.4632,
94.2547

■ 40.9934, 47.5065,
95.0054

■ 46.1638, 53.2171,
95.8352

■ 52.3502, 59.6345,
96.7478

■ 59.6157, 66.7942,
97.7469

■ 68.0181, 74.7289,
98.8355

■ 77.6106, 83.4689,
100.0170

Harmonies

Analogous

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



22.4589, 30.8293, 80.9966



28.8455, 30.8293, 92.4260



36.4831, 30.8293, 83.3857

Triad

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



28.8455, 30.8293, 92.4260



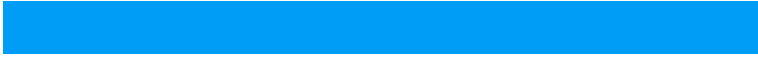
43.6106, 30.8293, 17.8731



18.8660, 30.8293, 16.4181

Complementary

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



28.8455, 30.8293, 92.4260



42.0211, 27.0997, 3.0182

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.



23.1316, 30.8293, 9.0358



28.8455, 30.8293, 92.4260



37.4114, 30.8293, 9.5953

Square

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



28.8455, 30.8293, 92.4260



45.8135, 30.8293, 34.9003



29.7639, 30.8293, 7.1929



17.3280, 30.8293, 32.2698

Rectangle

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



28.8455, 30.8293, 92.4260



41.1345, 30.8293, 68.4593



29.7639, 30.8293, 7.1929



19.9892, 30.8293, 13.1582

Sweetspot

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



28.8467, 30.8303, 92.4268



64.0261, 71.7464, 105.0817



34.9619, 67.2025, 20.0388



12.9678, 14.6401, 22.3923



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.



28.8467, 30.8303, 92.4268



30.9803, 33.0807, 99.3601



17.4547, 8.0463, 88.6295



16.4592, 17.6828, 21.0882



15.3929, 16.5795, 48.9269



1.4505, 1.6523, 4.3327

Inverse Universe

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



44.4448, 22.2103, 33.8433



47.7666, 23.8707, 36.2988



61.3957, 65.8490, 9.4764



16.9424, 16.6598, 19.4432



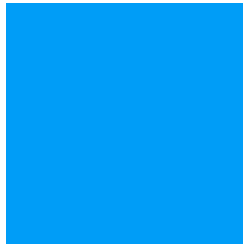
23.5741, 11.7731, 18.2636



2.1212, 1.0544, 1.8646

Previews

White Background



This preview shows how the XYZ color 28.8455, 30.8293, 92.4260 looks on a white background.

Color Contrast Check

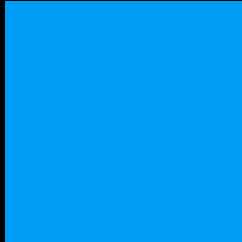
Large Text (above 18pt) WCAG AA × Fail

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 28.8455, 30.8293, 92.4260 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

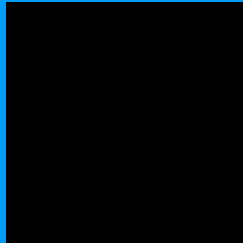
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

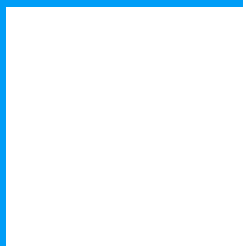
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.8455, 30.8293, 92.4260

Background



This preview shows how black text looks on a background with the XYZ color 28.8455, 30.8293, 92.4260.

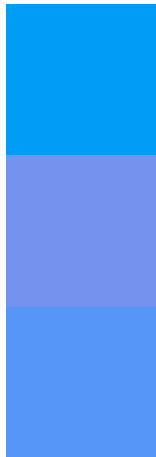


This preview shows how white text looks on a background with the XYZ color 28.8455, 30.8293,

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

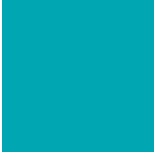
28.8455, 30.8293, 92.4260

Protanopia

32.9366, 30.6853, 85.0758

Deuteranopia

31.9118, 30.9041, 93.9057



Tritanopia

21.8546, 30.8518, 46.9226

Trichromacy



Original Color

28.8455, 30.8293, 92.4260

Protanomaly

29.6914, 29.9006, 87.4256

Deuteranomaly

29.8558, 30.3440, 93.0904

Tritanomaly

23.8767, 30.5062, 61.1298

Monochromacy



Original Color

28.8455, 30.8293, 92.4260

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 28.8455, 30.8293, 92.4260 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, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 247)  
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 247) }
```

Border

The CSS property to change the border of an element to XYZ 28.8455, 30.8293, 92.4260 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, 247) }
```


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

```
.border{ border-color:rgb(0, 157, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8455, 30.8293, 92.4260 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, 247) }
```

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

```
.background{ background-color: rgb(0, 157,  
247) }
```

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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