

Converting Colors

XYZ(15.4657, 23.1824, 94.7297)

Have a look what the booklet for
XYZ(15.4657, 23.1824, 94.7297)
contains.

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Color

**XYZ(28.9682, 30.0762,
95.5453)**

Conversions

Conversions Part 1

Format	Color
Hex	009AFB
RGB	0, 154, 251
RGB Percent	0%, 60%, 98%
CMY	0.9997, 0.3961, 0.0157
CMYK	1.00, 0.39, 0.00, 0.02
HSL	203°, 100%, 49%
HSV	203°, 100%, 98%
XYZ	28.9682, 30.0762, 95.5453
YIQ	119.0120, -122.9210, -2.4810

Conversions

Conversions Part 2

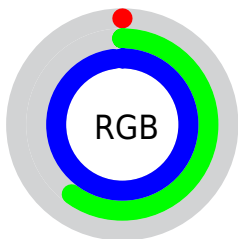
Format	Color
RYB	0, 95, 251
Decimal	39675
CIELab	61.72, 1.48, -57.48
CIElCh	62, 57.495, 271.479
Yxy	30.0762, 0.1874, 0.1946
Android (android.graphics.Color)	4278229755 (0xFF009AFB)
YUV	119.0120, 65.0701, -104.3735
Hunter-Lab	54.8418, -1.6869, -64.9058

Details

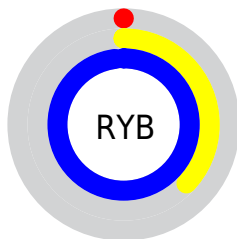
The XYZ color **28.9682, 30.0762, 95.5453** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **44.0662, 29.0731, 3.2913**, and the grayscale version is **17.3746, 18.2794, 19.9063**.

A 20% lighter version of the original color is **47.1614, 55.7113, 102.8754**, and **14.6879, 13.7957, 52.9276** is the 20% darker color. If you saturate the color by 10%, you get **28.9636, 30.0668, 95.5444**, and if you desaturate by 10%, it is **31.0405, 33.6191, 96.1206**.

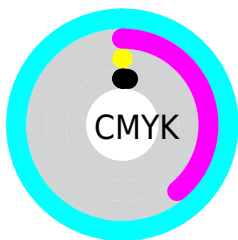
Distribution



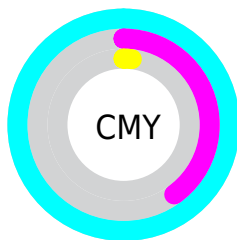
- Red (0%)
- Green (60%)
- Blue (98%)



- Red (0%)
- Yellow (37%)
- Blue (98%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (40%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9682, 30.0762, 95.5453 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 28.9682, 30.0762, 95.5453 by changing the saturation by 10% instead.

■ 28.9682, 30.0762,
95.5453

■ 28.9682, 30.0762,
95.5453

289.0618,
302.2595, 566.9381

■ 19.2009, 19.8964,
71.9895

■ 57.4245, 59.7827,
157.0198

■ 11.9204, 12.3198,
52.6633

■ 76.8442, 80.0781,
195.7756

■ 6.7613, 6.9619,
37.1482

■ 100.2121,
104.5143, 240.4351

■ 3.3583, 3.4383,
25.0256

■ 127.8935,
133.4756, 291.4170

■ 1.3459, 1.3646,
15.8769

■ 160.2538,
167.3464, 349.1397

■ 0.2172, 0.1904,
9.2837

197.6584,

■ 0.0000, 0.0000,

206.5110, 414.0217

4.8273

240.4726,
251.3539, 486.4817

■ 0.0000, 0.0000,
2.0894

■ 0.0000, 0.0000,
0.6094

■ 28.9682, 30.0762,
95.5453

■ 28.9682, 30.0762,
95.5453

■ 28.9636, 30.0668,
95.5444

■ 31.0405, 33.6191,
96.1206

■ 33.7635, 37.6937,
96.7636

■ 37.3001, 42.3885,
97.4834

■ 41.7498, 47.7589,
98.2854

■ 47.1964, 53.8521,
99.1745

■ 53.7136, 60.7099,
100.1547

■ 61.3674, 68.3702,
101.2298

■ 70.2182, 76.8677,
102.4035

■ 80.3220, 86.2349,
103.6791

Harmonies

Analogous

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



22.1189, 30.0762, 85.5031



28.9682, 30.0762, 95.5453



36.9819, 30.0762, 83.4561

Triad

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



28.9682, 30.0762, 95.5453



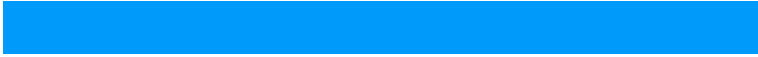
43.0659, 30.0762, 15.2995



17.5063, 30.0762, 16.4627

Complementary

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



28.9682, 30.0762, 95.5453



44.0662, 29.0731, 3.2913

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.



21.5688, 30.0762, 8.3487



28.9682, 30.0762, 95.5453



36.2059, 30.0762, 7.9187

Square

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



28.9682, 30.0762, 95.5453



45.9690, 30.0762, 31.6716



28.2082, 30.0762, 6.0991



16.2529, 30.0762, 33.8482

Rectangle

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



28.9682, 30.0762, 95.5453



41.7176, 30.0762, 66.6407



28.2082, 30.0762, 6.0991



18.5480, 30.0762, 12.8855

Sweetspot

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



28.9694, 30.0771, 95.5461



63.5659, 70.8260, 104.9282



36.6219, 69.8448, 22.6815



12.8581, 14.4207, 22.3557



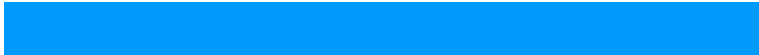
0.0000, 0.0000, 0.0000



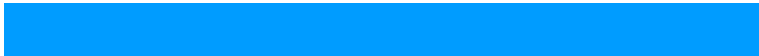
20.3446, 21.4041, 23.3091

Same Dimension

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



28.9694, 30.0771, 95.5461



30.0098, 31.1397, 99.0366



17.8617, 7.8616, 91.8435



17.1695, 18.4158, 22.0350



15.3699, 16.0953, 50.2702



1.5263, 1.6962, 4.6901

Inverse Universe

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



45.6176, 22.8442, 32.5773



47.2768, 23.6747, 33.7192



65.8330, 72.6069, 10.5470



17.6921, 17.4042, 20.2343



24.0500, 12.0357, 17.5037



2.2793, 1.1355, 1.8942

Previews

White Background



This preview shows how the XYZ color 28.9682, 30.0762, 95.5453 looks on a white background.

Color Contrast Check

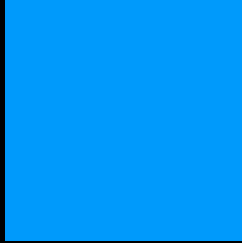
Large Text (above 18pt) WCAG AA × Fail

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 28.9682, 30.0762, 95.5453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

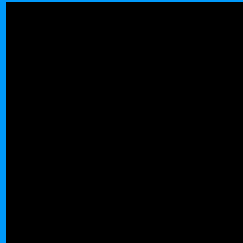
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

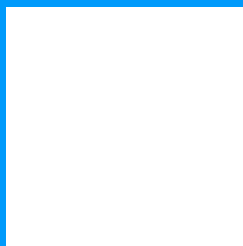
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.9682, 30.0762, 95.5453

Background



This preview shows how black text looks on a background with the XYZ color 28.9682, 30.0762, 95.5453.



This preview shows how white text looks on a background with the XYZ color 28.9682, 30.0762,

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

28.9682, 30.0762, 95.5453

Protanopia

32.6097, 29.9731, 88.8607

Deuteranopia

31.1495, 30.2187, 96.2865



Tritanopia

21.2916, 30.0449, 45.7513

Trichromacy



Original Color

28.9682, 30.0762, 95.5453

Protanomaly

29.6787, 29.0988, 91.2412

Deuteranomaly

29.7640, 29.7423, 96.2676

Tritanomaly

23.5244, 29.8015, 61.0123

Monochromacy



Original Color

28.9682, 30.0762, 95.5453

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.2068, 20.8290, 39.6200

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9682, 30.0762, 95.5453 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, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 154, 251)  
}
```

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, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 154, 251) }
```

Border

The CSS property to change the border of an element to XYZ 28.9682, 30.0762, 95.5453 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, 251) }
```


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

```
.border{ border-color:rgb(0, 154, 251) }
```

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, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 154, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 154, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 154,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9682, 30.0762, 95.5453 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, 251) }
```

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

```
.background{ background-color: rgb(0, 154,  
251) }
```

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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