

Converting Colors

XYZ(27.6868, 31.0755, 94.8592)

Have a look what the booklet for
XYZ(27.6868, 31.0755, 94.8592)
contains.

XYZ(30.0002, 32.3919, 95.1136)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0002, 32.3919,
95.1136)**

Conversions

Conversions Part 1

Format	Color
Hex	00A1FA
RGB	0, 161, 250
RGB Percent	0%, 63%, 98%
CMY	0.9997, 0.3686, 0.0196
CMYK	1.00, 0.36, 0.00, 0.02
HSL	201°, 100%, 49%
HSV	201°, 100%, 98%
XYZ	30.0002, 32.3919, 95.1136
YIQ	123.0070, -124.5250, -6.4530

Conversions

Conversions Part 2

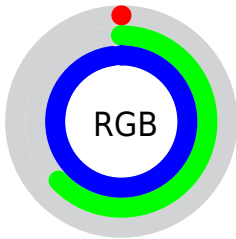
Format	Color
RYB	0, 98, 250
Decimal	41466
CIELab	63.67, -2.95, -53.83
CIElCh	64, 53.913, 266.861
Yxy	32.3919, 0.1905, 0.2057
Android (android.graphics.Color)	4278231546 (0xFF00A1FA)
YUV	123.0070, 62.6075, -107.8771
Hunter-Lab	56.9139, -5.5091, -59.2448

Details

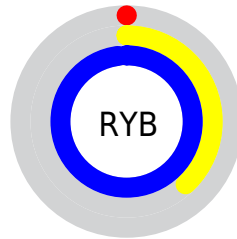
The XYZ color **30.0002, 32.3919, 95.1136** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.0034, 27.4809, 3.0399**, and the grayscale version is **18.6661, 19.6382, 21.3860**.

A 20% lighter version of the original color is **48.9060, 59.2004, 103.4569**, and **15.2016, 15.0021, 52.5466** is the 20% darker color. If you saturate the color by 10%, you get **29.9961, 32.3835, 95.1129**, and if you desaturate by 10%, it is **32.0149, 35.8232, 95.6705**.

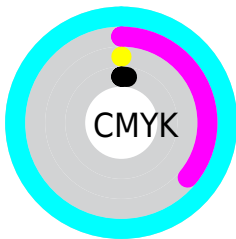
Distribution



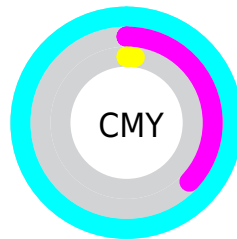
- Red (0%)
- Green (63%)
- Blue (98%)



- Red (0%)
- Yellow (38%)
- Blue (98%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (37%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.0002, 32.3919, 95.1136 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 30.0002, 32.3919, 95.1136 by changing the saturation by 10% instead.


 30.0002, 32.3919,
95.1136


 30.0002, 32.3919,
95.1136


293.8152,
312.9006, 565.5222


 19.9868, 21.6610,
71.6321


 59.0491, 63.4250,
156.4185


 12.4937, 13.6080,
52.3732


 78.8154, 84.4959,
195.0789

 7.1554, 7.8486,
36.9184


 102.5633,
109.7824, 239.6361

 3.6067, 3.9982,
24.8490

 130.6582,
139.6687, 290.5086

 1.4821, 1.6726,
15.7466

 163.4655,
174.5393, 348.1149

 0.3136, 0.4058,
9.1926

201.3505,

 0.0000, 0.0000,

214.7785, 412.8736

4.7685

244.6786,
260.7709, 485.2032

■ 0.0000, 0.0000,
2.0557

■ 0.0000, 0.0000,
0.5892

■ 30.0002, 32.3919,
95.1136

■ 30.0002, 32.3919,
95.1136

■ 29.9961, 32.3835,
95.1129

■ 32.0149, 35.8232,
95.6705

■ 34.6557, 39.7448,
96.2882

■ 38.0839, 44.2432,
96.9758

■ 42.3971, 49.3719,
97.7384

■ 47.6779, 55.1766,
98.5805

■ 53.9986, 61.6973,
99.5060

■ 61.4239, 68.9705,
100.5185

■ 70.0133, 77.0295,
101.6213

■ 79.8215, 85.9054,
102.8176

Harmonies

Analogous

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



23.5209, 32.3919, 82.7268



30.0002, 32.3919, 95.1136



37.8154, 32.3919, 86.8071

Triad

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



30.0002, 32.3919, 95.1136



45.6209, 32.3919, 19.6357



20.1713, 32.3919, 17.0886

Complementary

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



30.0002, 32.3919, 95.1136



43.0034, 27.4809, 3.0399

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.



24.6893, 32.3919, 9.6785



30.0002, 32.3919, 95.1136



39.4150, 32.3919, 10.6711

Square

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



30.0002, 32.3919, 95.1136



47.6557, 32.3919, 37.5929



31.5885, 32.3919, 7.9300



18.4592, 32.3919, 33.0435

Rectangle

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



30.0002, 32.3919, 95.1136



42.6277, 32.3919, 71.9705



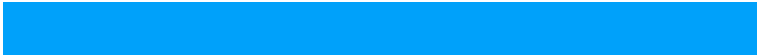
31.5885, 32.3919, 7.9300



21.3719, 32.3919, 13.8113

Sweetspot

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



30.0015, 32.3929, 95.1144



64.2020, 72.0982, 105.1403



35.9295, 69.0693, 20.5725



13.0098, 14.7241, 22.4063



0.0000, 0.0000, 0.0000



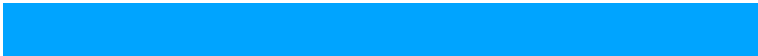
20.3446, 21.4041, 23.3091

Same Dimension

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



30.0015, 32.3929, 95.1144



31.3604, 33.8407, 99.4868



17.9355, 8.2610, 91.0925



17.2154, 18.5077, 22.0503



16.0516, 17.4587, 50.4974



1.5867, 1.8170, 4.7103

Inverse Universe

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



45.8586, 22.8990, 35.7218



47.9585, 23.9474, 37.3089



63.0966, 67.6675, 9.7376



17.7153, 17.4135, 20.3564



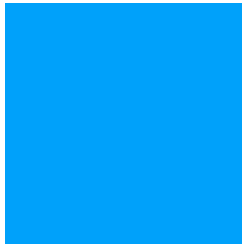
24.3941, 12.1734, 19.3157



2.3098, 1.1477, 2.0548

Previews

White Background



This preview shows how the XYZ color 30.0002, 32.3919, 95.1136 looks on a white background.

Color Contrast Check

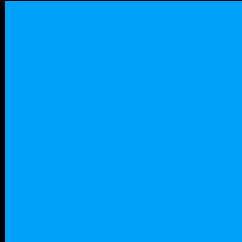
Large Text (above 18pt) WCAG AA × Fail

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 30.0002, 32.3919, 95.1136 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

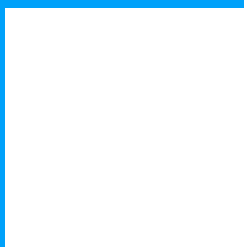
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0002, 32.3919, 95.1136

Background



This preview shows how black text looks on a background with the XYZ color 30.0002, 32.3919, 95.1136.



This preview shows how white text looks on a background with the XYZ color 30.0002, 32.3919,

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

30.0002, 32.3919, 95.1136

Protanopia

34.3803, 32.0970, 86.8214

Deuteranopia

33.4407, 32.3636, 96.5798



Tritanopia

22.9220, 32.1683, 49.8007

Trichromacy



Original Color

30.0002, 32.3919, 95.1136



Protanomaly

30.8652, 31.1794, 89.9794



Deuteranomaly

31.2145, 31.9785, 95.7941



Tritanomaly

25.0812, 32.1424, 63.9137

Monochromacy



Original Color

30.0002, 32.3919, 95.1136



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

19.2490, 22.3756, 40.8405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0002, 32.3919, 95.1136 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, 161, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 250)  
}
```

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, 161, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.0002, 32.3919, 95.1136 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, 161, 250) }
```


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

```
.border{ border-color:rgb(0, 161, 250) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 161, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0002, 32.3919, 95.1136 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 250) }
```

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

```
.background{ background-color: rgb(0, 161,  
250) }
```

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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