

Converting Colors

XYZ(21.7582, 28.4548, 94.9952)

Have a look what the booklet for
XYZ(21.7582, 28.4548, 94.9952)
contains.

XYZ(30.1756, 32.7428, 95.1720)	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(30.1756, 32.7428,
95.1720)**

Conversions

Conversions Part 1

Format	Color
Hex	00A2FA
RGB	0, 162, 250
RGB Percent	0%, 64%, 98%
CMY	0.9997, 0.3647, 0.0196
CMYK	1.00, 0.35, 0.00, 0.02
HSL	201°, 100%, 49%
HSV	201°, 100%, 98%
XYZ	30.1756, 32.7428, 95.1720
YIQ	123.5940, -124.8000, -6.9760

Conversions

Conversions Part 2

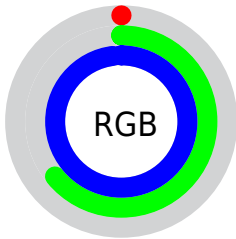
Format	Color
RYB	0, 98, 250
Decimal	41722
CIELab	63.95, -3.53, -53.38
CIElCh	64, 53.494, 266.221
Yxy	32.7428, 0.1909, 0.2071
Android (android.graphics.Color)	4278231802 (0xFF00A2FA)
YUV	123.5940, 62.3182, -108.3919
Hunter-Lab	57.2213, -6.0055, -58.5577

Details

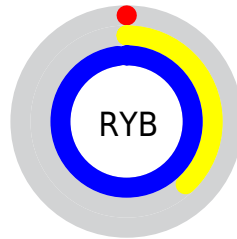
The XYZ color **30.1756, 32.7428, 95.1720** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **42.9202, 27.3148, 3.0121**, and the grayscale version is **18.8599, 19.8421, 21.6081**.

A 20% lighter version of the original color is **49.1614, 59.7112, 103.5421**, and **15.3101, 15.2191, 52.5827** is the 20% darker color. If you saturate the color by 10%, you get **30.1718, 32.7350, 95.1714**, and if you desaturate by 10%, it is **32.1839, 36.1615, 95.7268**.

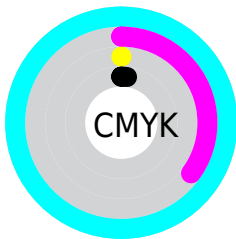
Distribution



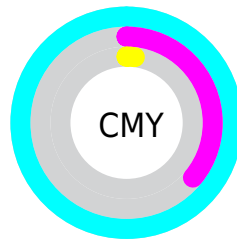
- Red (0%)
- Green (64%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (2%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1756, 32.7428, 95.1720 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 30.1756, 32.7428, 95.1720 by changing the saturation by 10% instead.


 30.1756, 32.7428,
95.1720


 30.1756, 32.7428,
95.1720


294.6173,
314.4892, 565.7139


 20.1206, 21.9295,
71.6805

 59.3245, 63.9738,
156.4998


 12.5915, 13.8051,
52.4125

 79.1491, 85.1602,
195.1732


 7.2229, 7.9852,
36.9494


 102.9611,
110.5732, 239.7443

 3.6495, 4.0855,
24.8729

 131.1256,
140.5970, 290.6316

 1.5058, 1.7215,
15.7642

 164.0082,
175.6161, 348.2536

 0.3298, 0.4375,
9.2049

201.9740,

 0.0000, 0.0000,

216.0149, 413.0290

4.7764

245.3886,
262.1778, 485.3762

■ 0.0000, 0.0000,
2.0603

■ 0.0000, 0.0000,
0.5920

■ 30.1756, 32.7428,
95.1720

■ 30.1756, 32.7428,
95.1720

■ 30.1718, 32.7350,
95.1714

■ 32.1839, 36.1615,
95.7268

■ 34.8161, 40.0657,
96.3416

■ 38.2330, 44.5420,
97.0255

■ 42.5327, 49.6437,
97.7836

■ 47.7973, 55.4162,
98.6204

■ 54.0992, 61.8996,
99.5397

■ 61.5030, 69.1301,
100.5451

■ 70.0682, 77.1410,
101.6399

■ 79.8493, 85.9631,
102.8272

Harmonies

Analogous

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



23.7389, 32.7428, 82.4733



30.1756, 32.7428, 95.1720



37.9734, 32.7428, 87.3514

Triad

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



30.1756, 32.7428, 95.1720



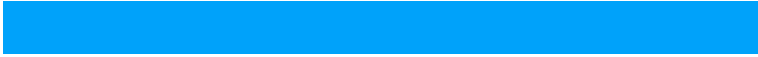
46.0164, 32.7428, 20.2777



20.5626, 32.7428, 17.1959

Complementary

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



30.1756, 32.7428, 95.1720



42.9202, 27.3148, 3.0121

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.



25.1470, 32.7428, 9.8756



30.1756, 32.7428, 95.1720



39.8940, 32.7428, 11.0842

Square

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



30.1756, 32.7428, 95.1720



47.9372, 32.7428, 38.4575



32.0860, 32.7428, 8.2034



18.7845, 32.7428, 32.9851

Rectangle

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



30.1756, 32.7428, 95.1720



42.8011, 32.7428, 72.7677



32.0860, 32.7428, 8.2034



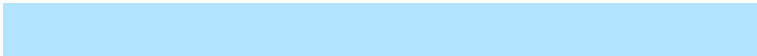
21.7864, 32.7428, 13.9551

Sweetspot

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



30.1769, 32.7438, 95.1729



64.2863, 72.2668, 105.1684



35.9293, 69.0692, 20.5719



13.0299, 14.7643, 22.4130



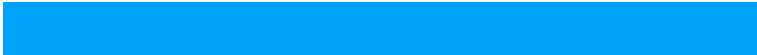
0.0000, 0.0000, 0.0000



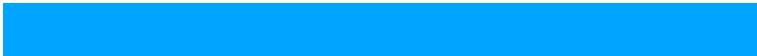
20.3446, 21.4041, 23.3091

Same Dimension

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



30.1769, 32.7438, 95.1729



31.5443, 34.2085, 99.5481



17.9354, 8.2607, 91.0923



17.2215, 18.5198, 22.0523



16.1443, 17.6442, 50.5283



1.5948, 1.8333, 4.7130

Inverse Universe

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



45.9471, 22.9343, 36.1882



48.0513, 23.9845, 37.7977



63.0964, 67.6671, 9.7375



17.7183, 17.4147, 20.3725



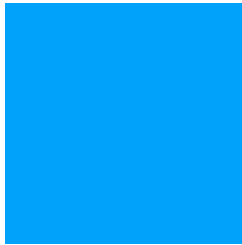
24.4409, 12.1921, 19.5622



2.3139, 1.1493, 2.0765

Previews

White Background



This preview shows how the XYZ color 30.1756, 32.7428, 95.1720 looks on a white background.

Color Contrast Check

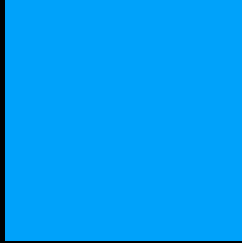
Large Text (above 18pt) WCAG AA × Fail

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 30.1756, 32.7428, 95.1720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

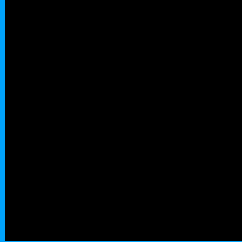
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

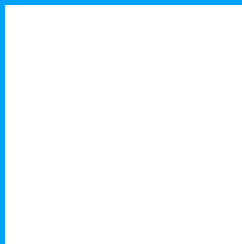
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1756, 32.7428, 95.1720

Background



This preview shows how black text looks on a background with the XYZ color 30.1756, 32.7428, 95.1720.



This preview shows how white text looks on a background with the XYZ color 30.1756, 32.7428,

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

30.1756, 32.7428, 95.1720

Protanopia

34.6799, 32.4894, 86.8813

Deuteranopia

33.8062, 32.7981, 96.6444



Tritanopia

23.1102, 32.5447, 49.8635

Trichromacy



Original Color

30.1756, 32.7428, 95.1720

Protanomaly

31.1110, 31.5521, 90.0384

Deuteranomaly

31.4431, 32.3486, 95.8535

Tritanomaly

25.2651, 32.5103, 63.9750

Monochromacy



Original Color

30.1756, 32.7428, 95.1720

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

19.5686, 22.7415, 41.3884

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1756, 32.7428, 95.1720 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, 162, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 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, 162, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 250) }
```

Border

The CSS property to change the border of an element to XYZ 30.1756, 32.7428, 95.1720 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, 162, 250) }
```


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

```
.border{ border-color:rgb(0, 162, 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, 162, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 162,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1756, 32.7428, 95.1720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 250) }
```

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

```
.background{ background-color: rgb(0, 162,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor