

Converting Colors

XYZ(20.2376, 24.9002, 93.8369)

Have a look what the booklet for
XYZ(20.2376, 24.9002, 93.8369)
contains.

XYZ(28.3219, 29.0353, 94.5541)	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(28.3219, 29.0353,
94.5541)**

Conversions

Conversions Part 1

Format	Color
Hex	0097FA
RGB	0, 151, 250
RGB Percent	0%, 59%, 98%
CMY	0.9997, 0.4078, 0.0196
CMYK	1.00, 0.40, 0.00, 0.02
HSL	204°, 100%, 49%
HSV	204°, 100%, 98%
XYZ	28.3219, 29.0353, 94.5541
YIQ	117.1370, -121.7750, -1.2230

Conversions

Conversions Part 2

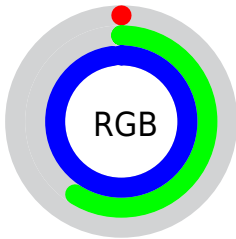
Format	Color
R _{YB}	0, 94, 250
Decimal	38906
CIE _{Lab}	60.81, 2.87, -58.38
CIE _{LCh}	61, 58.446, 272.818
Y _{xy}	29.0353, 0.1864, 0.1911
Android (android.graphics.Color)	4278228986 (0xFF0097FA)
Y _{UV}	117.1370, 65.5015, -102.7291
Hunter-Lab	53.8844, -0.4773, -66.3205

Details

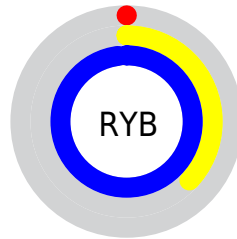
The XYZ color **28.3219, 29.0353, 94.5541** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **43.8937, 29.2618, 3.3367**, and the grayscale version is **16.7885, 17.6628, 19.2348**.

A 20% lighter version of the original color is **46.4369, 54.2622, 102.6339**, and **14.2793, 13.1576, 52.2391** is the 20% darker color. If you saturate the color by 10%, you get **28.3176, 29.0264, 94.5533**, and if you desaturate by 10%, it is **30.3862, 32.5659, 95.1274**.

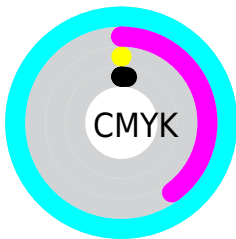
Distribution



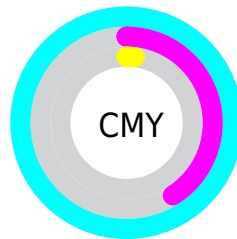
- Red (0%)
- Green (59%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (41%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3219, 29.0353, 94.5541 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 28.3219, 29.0353, 94.5541 by changing the saturation by 10% instead.

■ 28.3219, 29.0353,
94.5541

■ 28.3219, 29.0353,
94.5541

286.0542,
297.3815, 563.6843

■ 18.7101, 19.1075,
71.1691

■ 56.4030, 58.1332,
155.6387

■ 11.5638, 11.7480,
51.9975

■ 75.6031, 78.0720,
194.1754

■ 6.5175, 6.5723,
36.6209

■ 98.7300, 102.1168,
238.5996

■ 3.2058, 3.1961,
24.6206

■ 126.1491,
130.6517, 289.3301

■ 1.2635, 1.2350,
15.5782

■ 158.2256,
164.0612, 346.7852

■ 0.1557, 0.0900,
9.0750

195.3251,

■ 0.0000, 0.0000,

202.7298, 411.3836

4.6927

237.8128,
247.0417, 483.5438

■ 0.0000, 0.0000,
2.0125

■ 0.0000, 0.0000,
0.5630

■ 28.3219, 29.0353,
94.5541

■ 28.3219, 29.0353,
94.5541

■ 28.3176, 29.0264,
94.5533

■ 30.3862, 32.5659,
95.1274

■ 33.1009, 36.6350,
95.7698

■ 36.6277, 41.3307,
96.4903

■ 41.0655, 46.7085,
97.2944

■ 46.4974, 52.8153,
98.1868

■ 52.9966, 59.6931,
99.1718

■ 60.6287, 67.3797,
100.2532

■ 69.4537, 75.9100,
101.4346

■ 79.5271, 85.3164,
102.7193

Harmonies

Analogous

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



21.4447, 29.0353, 85.3773



28.3219, 29.0353, 94.5541



36.2999, 29.0353, 81.4488

Triad

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



28.3219, 29.0353, 94.5541



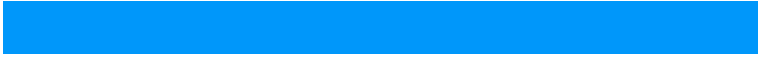
41.7917, 29.0353, 13.9230



16.5311, 29.0353, 16.0896

Complementary

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



28.3219, 29.0353, 94.5541



43.8937, 29.2618, 3.3367

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.



20.4100, 29.0353, 7.8720



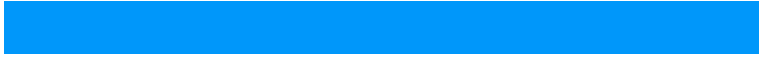
28.3219, 29.0353, 94.5541



34.8264, 29.0353, 7.0854

Square

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



28.3219, 29.0353, 94.5541



44.9193, 29.0353, 29.6012



26.8849, 29.0353, 5.5288



15.4224, 29.0353, 33.7171

Rectangle

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



28.3219, 29.0353, 94.5541



40.9555, 29.0353, 64.2565



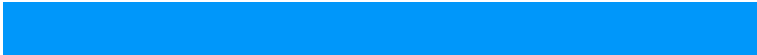
26.8849, 29.0353, 5.5288



17.5141, 29.0353, 12.4657

Sweetspot

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



28.3231, 29.0362, 94.5549



63.3685, 70.4311, 104.8624



36.2925, 69.2145, 22.4840



12.8111, 14.3267, 22.3401



0.0000, 0.0000, 0.0000



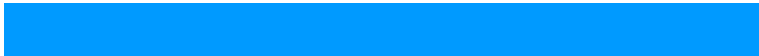
20.3446, 21.4041, 23.3091

Same Dimension

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



28.3231, 29.0362, 94.5549



29.6041, 30.3282, 98.9014



17.7014, 7.7927, 91.0143



17.1552, 18.3871, 22.0302



15.1648, 15.6852, 50.2018



1.5080, 1.6596, 4.6840

Inverse Universe

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



45.0114, 22.5601, 31.2607



47.0720, 23.5928, 32.6408



65.2399, 71.9541, 10.4521



17.6849, 17.4013, 20.1962



23.9465, 11.9943, 16.9587



2.2701, 1.1318, 1.8456

Previews

White Background



This preview shows how the XYZ color 28.3219, 29.0353, 94.5541 looks on a white background.

Color Contrast Check

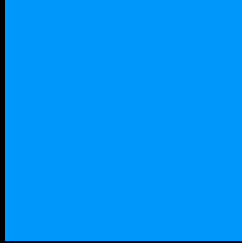
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3219, 29.0353, 94.5541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

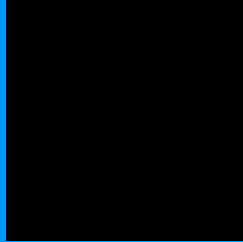
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

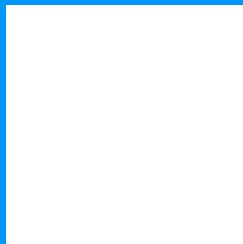
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3219, 29.0353, 94.5541

Background



This preview shows how black text looks on a background with the XYZ color 28.3219, 29.0353, 94.5541.



This preview shows how white text looks on a background with the XYZ color 28.3219, 29.0353,

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

28.3219, 29.0353, 94.5541

Protanopia

31.5257, 28.7601, 87.8941

Deuteranopia

30.0263, 28.9563, 95.2734



Tritanopia

20.4632, 28.8578, 44.0268

Trichromacy



Original Color

28.3219, 29.0353, 94.5541

Protanomaly

28.9216, 28.0367, 90.2735

Deuteranomaly

28.9169, 28.6163, 95.2662

Tritanomaly

22.7695, 28.6708, 59.5923

Monochromacy



Original Color

28.3219, 29.0353, 94.5541

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4658, 19.8730, 38.5126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3219, 29.0353, 94.5541 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, 151, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 151, 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, 151, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 151, 250) }
```

Border

The CSS property to change the border of an element to XYZ 28.3219, 29.0353, 94.5541 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, 151, 250) }
```


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

```
.border{ border-color:rgb(0, 151, 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, 151, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 151, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 151, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 151,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3219, 29.0353, 94.5541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 151, 250) }
```

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

```
.background{ background-color: rgb(0, 151,  
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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