

# Converting Colors

XYZ(20.4997, 25.9610, 94.7361)

Have a look what the booklet for  
XYZ(20.4997, 25.9610, 94.7361)  
contains.

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# Color

**XYZ(28.9767, 30.3448,  
94.7724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009BFA
RGB	0, 155, 250
RGB Percent	0%, 61%, 98%
CMY	0.9997, 0.3922, 0.0196
CMYK	1.00, 0.38, 0.00, 0.02
HSL	203°, 100%, 49%
HSV	203°, 100%, 98%
XYZ	28.9767, 30.3448, 94.7724
YIQ	119.4850, -122.8750, -3.3150

# Conversions

## Conversions Part 2

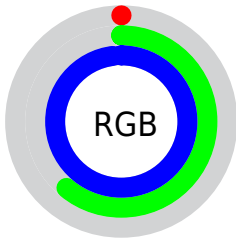
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 96, 250
Decimal	39930
CIELab	61.95, 0.52, -56.56
CIELCh	62, 56.563, 270.530
Yxy	30.3448, 0.1880, 0.1969
Android (android.graphics.Color)	4278230010 (0xFF009BFA)
YUV	119.4850, 64.3439, -104.7883
Hunter-Lab	55.0861, -2.5052, -63.4447

# Details

The XYZ color **28.9767, 30.3448, 94.7724** 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 **43.5242, 28.5227, 3.2137**, and the grayscale version is **17.5261, 18.4388, 20.0799**.

A 20% lighter version of the original color is **47.4060, 56.2004, 102.9569**, and **14.6772, 13.9534, 52.3718** is the 20% darker color. If you saturate the color by 10%, you get **28.9721, 30.3354, 94.7715**, and if you desaturate by 10%, it is **31.0241, 33.8415, 95.3401**.

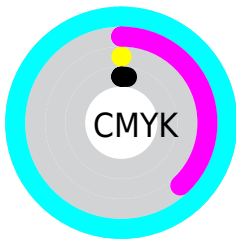
# Distribution



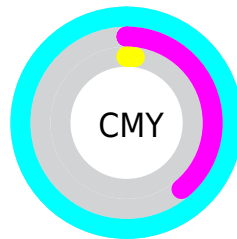
- Red (0%)
- Green (61%)
- Blue (98%)



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



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (2%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9767, 30.3448, 94.7724 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 28.9767, 30.3448, 94.7724 by changing the saturation by 10% instead.



■ 28.9767, 30.3448,  
94.7724

■ 28.9767, 30.3448,  
94.7724

289.1012,  
303.5084, 564.4018

■ 19.2074, 20.1004,  
71.3497

■ 57.4379, 60.2070,  
155.9430

■ 11.9251, 12.4681,  
52.1441

■ 76.8605, 80.5937,  
194.5280

■ 6.7645, 7.0633,  
36.7369

■ 100.2315,  
105.1299, 239.0042

■ 3.3603, 3.5017,  
24.7096

■ 127.9164,  
134.2001, 289.7901

■ 1.3470, 1.3989,  
15.6438

■ 160.2804,  
168.1887, 347.3043

■ 0.2180, 0.2159,  
9.1208

197.6890,

■ 0.0000, 0.0000,

207.4800, 411.9653

4.7222

240.5075,  
252.4584, 484.1916

■ 0.0000, 0.0000,  
2.0293

■ 0.0000, 0.0000,  
0.5732

■ 28.9767, 30.3448,  
94.7724

■ 28.9767, 30.3448,  
94.7724

■ 28.9721, 30.3354,  
94.7715

■ 31.0241, 33.8415,  
95.3401

■ 33.7121, 37.8570,  
95.9735

■ 37.2020, 42.4789,  
96.6817

■ 41.5924, 47.7615,  
97.4699

■ 46.9660, 53.7515,  
98.3429

■ 53.3956, 60.4899,  
99.3047

■ 60.9465, 68.0139,  
100.3590

■ 69.6785, 76.3578,  
101.5093

■ 79.6467, 85.5534,  
102.7588

# Harmonies

## Analogous

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



22.2528, 30.3448, 84.2914



28.9767, 30.3448, 94.7724



36.8920, 30.3448, 83.5733

# Triad

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



28.9767, 30.3448, 94.7724



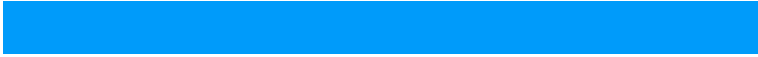
43.2958, 30.3448, 16.0568



17.9283, 30.3448, 16.4733

# Complementary

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



28.9767, 30.3448, 94.7724



43.5242, 28.5227, 3.2137

# 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.



22.0572, 30.3448, 8.5596



28.9767, 30.3448, 94.7724



36.6178, 30.3448, 8.4039

# Square

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



28.9767, 30.3448, 94.7724



45.9967, 30.3448, 32.6561



28.7074, 30.3448, 6.4185

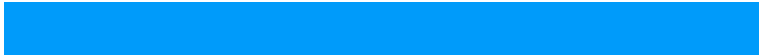


16.5907, 30.3448, 33.4275



# Rectangle

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



28.9767, 30.3448, 94.7724



41.6107, 30.3448, 67.2854



28.7074, 30.3448, 6.4185



18.9954, 30.3448, 12.9841

# Sweetspot

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



28.9779, 30.3457, 94.7732



63.7000, 71.0941, 104.9729



36.1062, 69.1400, 21.5026



12.8900, 14.4846, 22.3664



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.



28.9779, 30.3457, 94.7732



30.2889, 31.6978, 99.1296



17.8115, 8.0128, 91.0510



17.1792, 18.4353, 22.0382



15.5108, 16.3772, 50.3172



1.5388, 1.7213, 4.6943



# Inverse Universe

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



45.3420, 22.6924, 33.0011



47.4176, 23.7311, 34.4610



64.1549, 69.7841, 10.0906



17.6970, 17.4062, 20.2601



24.1212, 12.0642, 17.8783



2.2856, 1.1380, 1.9276



# Previews

## White Background



This preview shows how the XYZ color 28.9767, 30.3448, 94.7724 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 28.9767, 30.3448, 94.7724 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

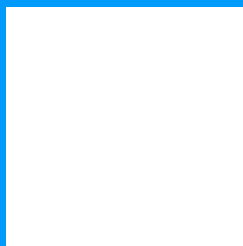
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 28.9767, 30.3448, 94.7724

## Background



This preview shows how black text looks on a background with the XYZ color 28.9767, 30.3448, 94.7724.



This preview shows how white text looks on a background with the XYZ color 28.9767, 30.3448,



# 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

28.9767, 30.3448, 94.7724

### Protanopia

32.7116, 30.2881, 87.3412

### Deuteranopia

31.2994, 30.3142, 95.4684



## Tritanopia

21.3909, 30.0846, 46.2745

# Trichromacy



## Original Color

28.9767, 30.3448, 94.7724

## Protanomaly

29.6751, 29.3661, 89.6921

## Deuteranomaly

29.8597, 30.0499, 95.4932

## Tritanomaly

23.6440, 29.8494, 61.6421

# Monochromacy



## Original Color

28.9767, 30.3448, 94.7724

## Achromatopsia

17.8524, 18.7821, 20.4537

## Achromatomaly

18.3431, 21.1016, 39.6654

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.9767, 30.3448, 94.7724 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, 155, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 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, 155, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 250) }
```

## Border

The CSS property to change the border of an element to XYZ 28.9767, 30.3448, 94.7724 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, 155, 250) }
```



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

```
.border{ border-color:rgb(0, 155, 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, 155, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
250) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.9767, 30.3448, 94.7724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 250) }
```

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

```
.background{ background-color: rgb(0, 155,  
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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