

Converting Colors

XYZ(18.4094, 22.8193,
118.4763)

Have a look what the booklet for
XYZ(18.4094, 22.8193, 118.4763)
contains.

XYZ(28.7974, 28.7149, 98.6325)	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(28.7974, 28.7149,
98.6325)**

Conversions

Conversions Part 1

Format	Color
Hex	0095FF
RGB	0, 149, 255
RGB Percent	0%, 58%, 100%
CMY	0.9997, 0.4157, 0.0000
CMYK	1.00, 0.42, 0.00, 0.00
HSL	205°, 100%, 50%
HSV	205°, 100%, 100%
XYZ	28.7974, 28.7149, 98.6325
YIQ	116.5330, -122.8300, 1.3780

Conversions

Conversions Part 2

Format	Color
R _{YB}	0, 94, 255
Decimal	38399
CIE Lab	60.53, 5.95, -61.57
CIE LCh	61, 61.856, 275.524
Yxy	28.7149, 0.1844, 0.1839
Android (android.graphics.Color)	4278228479 (0xFF0095FF)
YUV	116.5330, 68.2642, -102.1994
Hunter-Lab	53.5863, 2.1503, -71.6205

Details

The XYZ color **28.7974, 28.7149, 98.6325** 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 **46.4016, 31.5826, 3.6524**, and the grayscale version is **16.5947, 17.4589, 19.0127**.

A 20% lighter version of the original color is **46.0880, 53.3766, 102.4814**, and **14.6549, 13.0009, 55.1631** is the 20% darker color. If you saturate the color by 10%, you get **28.7930, 28.7059, 98.6310**, and if you desaturate by 10%, it is **30.9674, 32.4385, 99.2368**.

Distribution



- Red (0%)
- Green (58%)
- Blue (100%)



- Red (0%)
- Yellow (37%)
- Blue (100%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7974, 28.7149, 98.6325 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 28.7974, 28.7149, 98.6325 by changing the saturation by 10% instead.

■ 28.7974, 28.7149,
98.6325

■ 28.7974, 28.7149,
98.6325

288.2693,
295.8674, 577.0086

■ 19.0711, 18.8653,
74.5485

■ 57.1548, 57.6238,
161.3121

■ 11.8260, 11.5730,
54.7436

■ 76.5167, 77.4519,
200.7448

■ 6.6967, 6.4536,
38.7992

■ 99.8211, 101.3748,
246.1307

■ 3.3178, 3.1228,
26.2969

■ 127.4335,
129.7771, 297.8885

■ 1.3239, 1.1962,
16.8182

■ 159.7191,
163.0431, 356.4366

■ 0.2010, 0.0586,
9.9443

197.0434,

■ 0.0000, 0.0000,

201.5573, 422.1936

5.2569

239.7717,
245.7039, 495.5781

■ 0.0000, 0.0000,
2.3374

■ 0.0000, 0.0000,
0.7521

■ 28.7974, 28.7149,
98.6325

■ 28.7974, 28.7149,
98.6325

■ 28.7930, 28.7059,
98.6310

■ 30.9674, 32.4385,
99.2368

■ 33.8323, 36.7527,
99.9186

■ 37.5612, 41.7503,
100.6867

■ 42.2584, 47.4907,
101.5471

■ 48.0117, 54.0242,
102.5050

■ 54.8985, 61.3958,
103.5649

■ 62.9881, 69.6461,
104.7310

■ 72.3439, 78.8127,
106.0072

■ 83.0247, 88.9304,
107.3972

Harmonies

Analogous

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



21.4128, 28.7149, 90.7895



28.7974, 28.7149, 98.6325



37.2210, 28.7149, 82.4441

Triad

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



28.7974, 28.7149, 98.6325



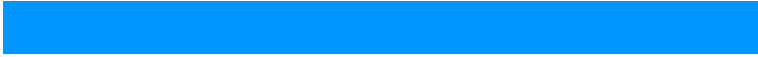
41.7927, 28.7149, 12.0438



15.5680, 28.7149, 16.3569

Complementary

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



28.7974, 28.7149, 98.6325



46.4016, 31.5826, 3.6524

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.



19.3083, 28.7149, 7.3960



28.7974, 28.7149, 98.6325



34.1609, 28.7149, 5.8923

Square

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



28.7974, 28.7149, 98.6325



45.6049, 28.7149, 27.2211



25.8413, 28.7149, 4.7444



14.6853, 28.7149, 35.6921

Rectangle

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



28.7974, 28.7149, 98.6325



42.0070, 28.7149, 63.3460



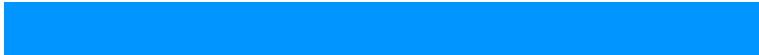
25.8413, 28.7149, 4.7444



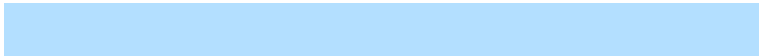
16.4914, 28.7149, 12.3958

Sweetspot

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



28.7985, 28.7157, 98.6326



62.9639, 69.6220, 104.7276



38.1613, 72.4806, 24.5603



12.7149, 14.1342, 22.3080



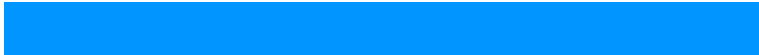
0.0000, 0.0000, 0.0000



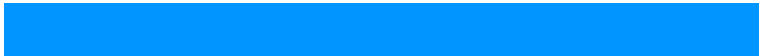
20.3446, 21.4041, 23.3091

Same Dimension

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



28.7985, 28.7157, 98.6326



28.7930, 28.7059, 98.6310



18.4107, 7.9401, 95.1700



17.8848, 19.1412, 23.0019



15.1958, 15.3012, 51.5871



1.5875, 1.7056, 5.0588

Inverse Universe

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



46.6657, 23.4315, 30.4974



46.6626, 23.4290, 30.4848



69.4002, 77.5798, 11.3186



18.4545, 18.1651, 21.0105



24.4583, 12.2726, 16.3299



2.4359, 1.2167, 1.8768

Previews

White Background



This preview shows how the XYZ color 28.7974, 28.7149, 98.6325 looks on a white background.

Color Contrast Check

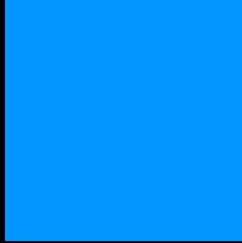
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7974, 28.7149, 98.6325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

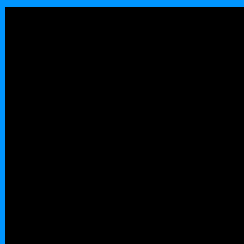
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

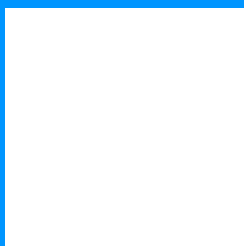
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.7974, 28.7149, 98.6325

Background



This preview shows how black text looks on a background with the XYZ color 28.7974, 28.7149, 98.6325.



This preview shows how white text looks on a background with the XYZ color 28.7974, 28.7149,

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

28.7974, 28.7149, 98.6325

Protanopia

31.7619, 28.7760, 92.6872

Deuteranopia

29.7991, 28.7655, 98.5895



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

28.7974, 28.7149, 98.6325

Protanomaly

29.5879, 28.2726, 95.1645

Deuteranomaly

29.2356, 28.7069, 98.6078

Tritanomaly

22.7176, 28.3782, 60.1573

Monochromacy



Original Color

28.7974, 28.7149, 98.6325

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.6493, 19.9464, 39.4790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7974, 28.7149, 98.6325 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, 149, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 255)  
}
```

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, 149, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.7974, 28.7149, 98.6325 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, 149, 255) }
```


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

```
.border{ border-color:rgb(0, 149, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 149, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7974, 28.7149, 98.6325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 255) }
```

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

```
.background{ background-color: rgb(0, 149,  
255) }
```

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