

Converting Colors

XYZ(22.7654, 25.6663, 96.4162)

Have a look what the booklet for
XYZ(22.7654, 25.6663, 96.4162)
contains.

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Color

**XYZ(28.4771, 28.5867,
96.9454)**

Conversions

Conversions Part 1

Format	Color
Hex	0095FD
RGB	0, 149, 253
RGB Percent	0%, 58%, 99%
CMY	0.9997, 0.4157, 0.0078
CMYK	1.00, 0.41, 0.00, 0.01
HSL	205°, 100%, 50%
HSV	205°, 100%, 99%
XYZ	28.4771, 28.5867, 96.9454
YIQ	116.3050, -122.1880, 0.7560

Conversions

Conversions Part 2

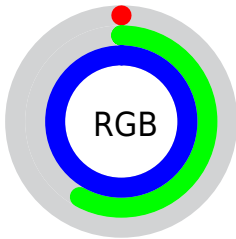
Format	Color
R _Y B	0, 94, 253
Decimal	38397
CIE Lab	60.42, 5.20, -60.66
CIE LCh	60, 60.878, 274.896
Yxy	28.5867, 0.1849, 0.1856
Android (android.graphics.Color)	4278228477 (0xFF0095FD)
YUV	116.3050, 67.3906, -101.9995
Hunter-Lab	53.4665, 1.5054, -70.0779

Details

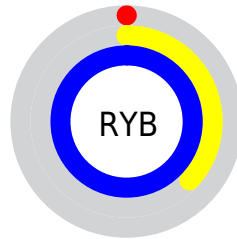
The XYZ color **28.4771, 28.5867, 96.9454** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **45.4672, 30.7998, 3.5509**, and the grayscale version is **16.5282, 17.3890, 18.9366**.

A 20% lighter version of the original color is **45.9615, 53.3114, 102.4754**, and **14.4256, 12.9092, 53.9560** is the 20% darker color. If you saturate the color by 10%, you get **28.4721, 28.5766, 96.9444**, and if you desaturate by 10%, it is **30.6078, 32.2389, 97.5387**.

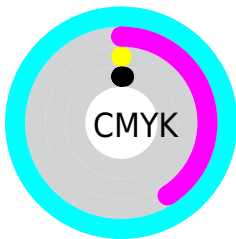
Distribution



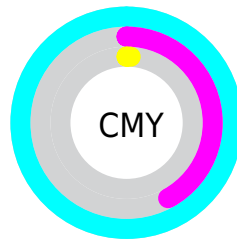
- Red (0%)
- Green (58%)
- Blue (99%)



- Red (0%)
- Yellow (37%)
- Blue (99%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (42%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4771, 28.5867, 96.9454 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 28.4771, 28.5867, 96.9454 by changing the saturation by 10% instead.

■ 28.4771, 28.5867,
96.9454

■ 28.4771, 28.5867,
96.9454

286.7786,
295.2599, 571.5171

■ 18.8279, 18.7684,
73.1494

■ 56.6486, 57.4198,
158.9681

■ 11.6493, 11.5030,
53.6056

■ 75.9016, 77.2033,
198.0320

■ 6.5758, 6.4063,
37.8954

■ 99.0866, 101.0774,
243.0221

■ 3.2422, 3.0937,
25.6003

■ 126.5689,
129.4265, 294.3572

■ 1.2831, 1.1808,
16.3018

■ 158.7139,
162.6348, 352.4556

■ 0.1705, 0.0460,
9.5813

195.8870,

■ 0.0000, 0.0000,

201.0869, 417.7361

5.0203

238.4534,
245.1671, 490.6170

■ 0.0000, 0.0000,
2.2002

■ 0.0000, 0.0000,
0.6745

■ 28.4771, 28.5867,
96.9454

■ 28.4771, 28.5867,
96.9454

■ 28.4721, 28.5766,
96.9444

■ 30.6078, 32.2389,
97.5387

■ 33.4176, 36.4647,
98.2063

■ 37.0725, 41.3552,
98.9576

■ 41.6748, 46.9683,
99.7985

■ 47.3105, 53.3532,
100.7338

■ 54.0553, 60.5536,
101.7682

■ 61.9770, 68.6093,
102.9056

■ 71.1379, 77.5569,
104.1498

■ 81.5954, 87.4304,
105.5044

Harmonies

Analogous

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



21.2671, 28.5867, 88.8267



28.4771, 28.5867, 96.9454



36.7334, 28.5867, 81.6214

Triad

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



28.4771, 28.5867, 96.9454



41.4955, 28.5867, 12.3920



15.6841, 28.5867, 16.1745

Complementary

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



28.4771, 28.5867, 96.9454



45.4672, 30.7998, 3.5509

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.



19.4310, 28.5867, 7.4546



28.4771, 28.5867, 96.9454



34.0769, 28.5867, 6.1227

Square

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



28.4771, 28.5867, 96.9454



45.1157, 28.5867, 27.5867



25.9051, 28.5867, 4.8907



14.7546, 28.5867, 34.9559

Rectangle

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



28.4771, 28.5867, 96.9454



41.4541, 28.5867, 63.1154



25.9051, 28.5867, 4.8907



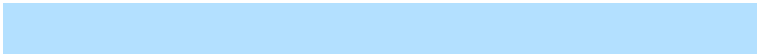
16.6151, 28.5867, 12.3229

Sweetspot

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



28.4783, 28.5875, 96.9462



63.0582, 69.8105, 104.7590



37.4877, 71.1961, 24.1423



12.7373, 14.1790, 22.3154



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.



28.4783, 28.5875, 96.9462



28.9795, 29.0789, 98.6932



18.0864, 7.8037, 93.4822



17.8920, 19.1556, 23.0043



15.2931, 15.4957, 51.6195



1.5967, 1.7241, 5.0619

Inverse Universe

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



45.9341, 23.0545, 30.4630



46.7567, 23.4667, 30.9805



68.1721, 76.2097, 11.1192



18.4581, 18.1666, 21.0297



24.5074, 12.2923, 16.5885



2.4405, 1.2186, 1.9013

Previews

White Background



This preview shows how the XYZ color 28.4771, 28.5867, 96.9454 looks on a white background.

Color Contrast Check

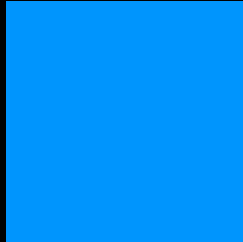
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4771, 28.5867, 96.9454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

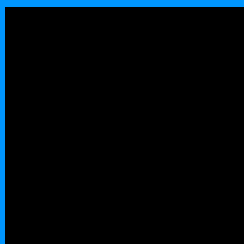
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

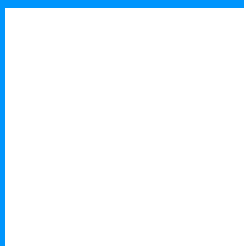
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.4771, 28.5867, 96.9454

Background



This preview shows how black text looks on a background with the XYZ color 28.4771, 28.5867, 96.9454.



This preview shows how white text looks on a background with the XYZ color 28.4771, 28.5867,

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

28.4771, 28.5867, 96.9454

Protanopia

31.4150, 28.4129, 91.0173

Deuteranopia

29.7913, 28.7801, 97.7509



Tritanopia

20.1913, 28.4683, 43.4605

Trichromacy



Original Color

28.4771, 28.5867, 96.9454

Protanomaly

29.1865, 27.8761, 93.4649

Deuteranomaly

29.1390, 28.6756, 97.7651

Tritanomaly

22.5996, 28.3310, 59.5356

Monochromacy



Original Color

28.4771, 28.5867, 96.9454

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

17.4261, 19.6474, 38.9503

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4771, 28.5867, 96.9454 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 253)  
}
```

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, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 253) }
```

Border

The CSS property to change the border of an element to XYZ 28.4771, 28.5867, 96.9454 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, 253) }
```


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

```
.border{ border-color:rgb(0, 149, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4771, 28.5867, 96.9454 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, 253) }
```

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

```
.background{ background-color: rgb(0, 149,  
253) }
```

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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