

Converting Colors

XYZ(28.7591, 13.2261, 94.8046)

Have a look what the booklet for
XYZ(28.7591, 13.2261, 94.8046)
contains.

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Color

**XYZ(28.6770, 13.1718,
94.7969)**

Conversions

Conversions Part 1

Format	Color
Hex	8A17FE
RGB	138, 23, 254
RGB Percent	54%, 9%, 100%
CMY	0.4588, 0.9098, 0.0039
CMYK	0.46, 0.91, 0.00, 0.00
HSL	270°, 99%, 54%
HSV	270°, 91%, 100%
XYZ	28.6770, 13.1718, 94.7969
YIQ	83.7190, -5.6110, 96.2210

Conversions

Conversions Part 2

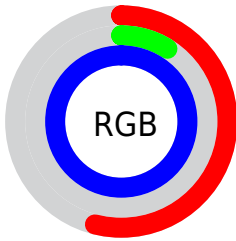
Format	Color
R _Y B	138, 23, 254
Decimal	9050110
CIE Lab	43.02, 80.95, -89.21
CIE LCh	43, 120.467, 312.220
Yxy	13.1718, 0.2099, 0.0964
Android (android.graphics.Color)	4287240190 (0xFF8A17FE)
YUV	83.7190, 83.9485, 47.6044
Hunter-Lab	36.2930, 77.5296, -129.4598

Details

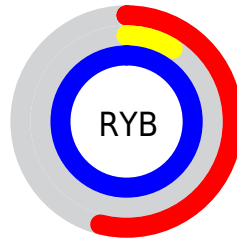
The XYZ color **28.6770, 13.1718, 94.7969** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **46.2426, 76.4340, 13.1264**, and the grayscale version is **8.2034, 8.6306, 9.3988**.

A 20% lighter version of the original color is **45.8785, 27.1197, 97.4243**, and **12.5623, 5.3251, 52.5903** is the 20% darker color. If you saturate the color by 10%, you get **26.5613, 11.6263, 94.6104**, and if you desaturate by 10%, it is **31.6806, 15.8585, 95.1575**.

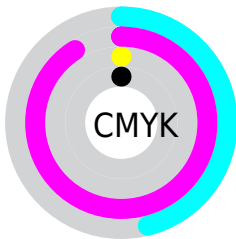
Distribution



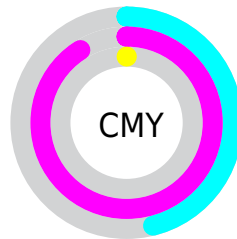
- Red (54%)
- Green (9%)
- Blue (100%)



- Red (54%)
- Yellow (9%)
- Blue (100%)



- Cyan (46%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6770, 13.1718, 94.7969 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 28.6770, 13.1718, 94.7969 by changing the saturation by 10% instead.


 28.6770, 13.1718,
94.7969


 28.6770, 13.1718,
94.7969


287.7097,
212.0158, 564.4823


 18.9797, 7.5470,
71.3700


 56.9646, 31.6121,
155.9771

 11.7595, 3.8065,
52.1605


 76.2856, 45.1963,
194.5676


 6.6512, 1.5659,
36.7499


 99.5452, 62.2025,
239.0496

 3.2893, 0.3344,
24.7196

 127.1088, 83.0149,
289.8417

 1.3085, 0.0000,
15.6512

 159.3416,
108.0181, 347.3625

 0.1896, 0.0000,
9.1260

 196.6092,

 0.0000, 0.0000,

137.5964, 412.0305

4.7255

239.2767,
172.1341, 484.2643

■ 0.0000, 0.0000,
2.0312

■ 0.0000, 0.0000,
0.5744

■ 28.6770, 13.1718,
94.7969

■ 28.6770, 13.1718,
94.7969

■ 26.5613, 11.6263,
94.6104

■ 31.6806, 15.8585,
95.1575

■ 35.5343, 19.8670,
95.7281

■ 40.3350, 25.3780,
96.5388

■ 46.1638, 32.5426,
97.6145

■ 53.0918, 41.4926,
98.9769

■ 61.1833, 52.3463,
100.6454

■ 70.4971, 65.2114,
102.6377

■ 81.0877, 80.1874,
104.9702

■ 93.0060, 97.3672,
107.6581

Harmonies

Analogous

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



16.6739, 13.1718, 143.9330



28.6770, 13.1718, 94.7969



38.2393, 13.1718, 36.1952

Triad

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



28.6770, 13.1718, 94.7969



18.7733, 13.1718, 0.0000



1.9408, 13.1718, 28.0507

Complementary

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



28.6770, 13.1718, 94.7969



46.2426, 76.4340, 13.1264

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.



2.0725, 13.1718, 3.7334



28.6770, 13.1718, 94.7969



9.1195, 13.1718, 0.0000

Square

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



28.6770, 13.1718, 94.7969



30.8492, 13.1718, 0.0000



3.9677, 13.1718, 0.0000



3.4273, 13.1718, 83.0181

Rectangle

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



28.6770, 13.1718, 94.7969



40.0266, 13.1718, 12.4576



3.9677, 13.1718, 0.0000



1.8305, 13.1718, 16.4071

Sweetspot

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



28.6779, 13.1721, 94.7973



65.2855, 57.6836, 102.3009



27.9676, 26.7877, 97.4628



13.3124, 11.4399, 21.7564



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.



28.6779, 13.1721, 94.7973



26.7958, 11.7286, 95.4593



57.6740, 28.1202, 96.1543



17.8646, 17.8219, 22.7484



14.1734, 6.2171, 49.8876



1.5059, 0.6702, 4.8633

Inverse Universe

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



45.8391, 23.5474, 26.5519



45.1392, 22.8197, 22.4629



36.0445, 71.1767, 12.6491



18.3899, 18.1393, 20.6701



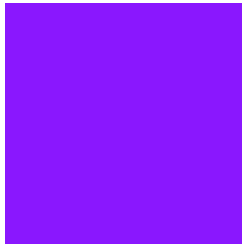
23.6616, 11.9539, 12.1346



2.3590, 1.1860, 1.4719

Previews

White Background



This preview shows how the XYZ color 28.6770, 13.1718, 94.7969 looks on a white background.

Color Contrast Check

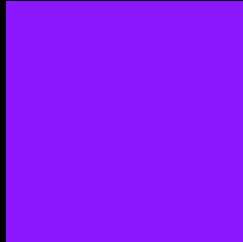
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.6770, 13.1718, 94.7969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

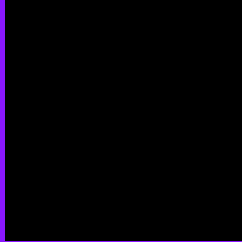
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6770, 13.1718, 94.7969

Background



This preview shows how black text looks on a background with the XYZ color 28.6770, 13.1718, 94.7969.



This preview shows how white text looks on a background with the XYZ color 28.6770, 13.1718,

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

28.6770, 13.1718, 94.7969

Protanopia

15.6302, 13.2404, 60.7633

Deuteranopia

12.9874, 13.2775, 43.4733



Tritanopia

12.8399, 13.2149, 16.0613

Trichromacy



Original Color

28.6770, 13.1718, 94.7969



Protanomaly

17.0232, 10.5664, 71.6633



Deuteranomaly

14.8509, 10.1180, 58.9279



Tritanomaly

15.8858, 10.9831, 35.0009

Monochromacy



Original Color

28.6770, 13.1718, 94.7969



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

12.6199, 8.4636, 28.1626

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6770, 13.1718, 94.7969 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(138, 23, 254)` looks like.

```
.text, #text, p{  
    color:rgb(138, 23, 254)  
}
```

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(138, 23, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 23, 254) }
```

Border

The CSS property to change the border of an element to XYZ 28.6770, 13.1718, 94.7969 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(138, 23, 254) }
```


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

```
.border{ border-color:rgb(138, 23, 254) }
```

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

Here you see how a box with a 4 pixel rgb(138, 23, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 23, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 23, 254);  
box-shadow:4px 4px 4px 4px rgb(138, 23,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6770, 13.1718, 94.7969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 23, 254) }
```

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

```
.background{ background-color: rgb(138, 23,  
254) }
```

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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