

Converting Colors

XYZ(28.5066, 13.1079, 93.9377)

Have a look what the booklet for
XYZ(28.5066, 13.1079, 93.9377)
contains.

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Color

**XYZ(28.5173, 13.1079,
93.9556)**

Conversions

Conversions Part 1

Format	Color
Hex	8A17FD
RGB	138, 23, 253
RGB Percent	54%, 9%, 99%
CMY	0.4588, 0.9098, 0.0078
CMYK	0.45, 0.91, 0.00, 0.01
HSL	270°, 98%, 54%
HSV	270°, 91%, 99%
XYZ	28.5173, 13.1079, 93.9556
YIQ	83.6050, -5.2900, 95.9100

Conversions

Conversions Part 2

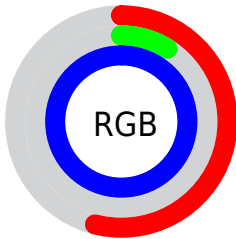
Format	Color
R _Y B	138, 23, 253
Decimal	9050109
CIE Lab	42.93, 80.74, -88.81
CIE LCh	43, 120.027, 312.274
Yxy	13.1079, 0.2103, 0.0967
Android (android.graphics.Color)	4287240189 (0xFF8A17FD)
YUV	83.6050, 83.5117, 47.7044
Hunter-Lab	36.2048, 77.2398, -128.5208

Details

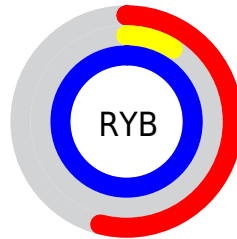
The XYZ color **28.5173, 13.1079, 93.9556** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **45.7596, 75.7151, 13.0131**, and the grayscale version is **8.1810, 8.6071, 9.3731**.

A 20% lighter version of the original color is **45.8785, 27.1197, 97.4243**, and **12.4489, 5.2797, 51.9927** is the 20% darker color. If you saturate the color by 10%, you get **26.4091, 11.5663, 93.7695**, and if you desaturate by 10%, it is **31.4973, 15.7763, 94.3139**.

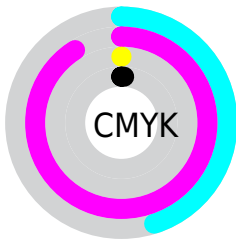
Distribution



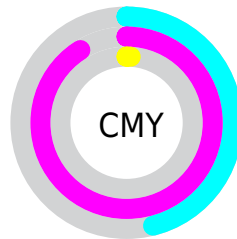
- Red (54%)
- Green (9%)
- Blue (99%)



- Red (54%)
- Yellow (9%)
- Blue (99%)



- Cyan (45%)
- Magenta (91%)
- Yellow (0%)
- Black (1%)





- Cyan (46%)
- Magenta (91%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5173, 13.1079, 93.9556 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 28.5173, 13.1079, 93.9556 by changing the saturation by 10% instead.

 28.5173, 13.1079,
93.9556

 28.5173, 13.1079,
93.9556


286.9660,
211.6080, 561.7147


 18.8584, 7.5029,
70.6739

 56.7122, 31.4975,
154.8041

 11.6714, 3.7785,
51.5960


 75.9789, 45.0509,
193.2080

 6.5910, 1.5505,
36.3031


 99.1789, 62.0225,
237.4897

 3.2517, 0.3239,
24.3768

 126.6775, 82.7967,
288.0678

 1.2882, 0.0000,
15.3986

 158.8402,
107.7580, 345.3608

 0.1744, 0.0000,
8.9499

 196.0323,

 0.0000, 0.0000,

137.2907, 409.7873

4.6121

238.6191,
171.7793, 481.7657

■ 0.0000, 0.0000,
1.9668

■ 0.0000, 0.0000,
0.5348

■ 28.5173, 13.1079,
93.9556

■ 28.5173, 13.1079,
93.9556

■ 26.4091, 11.5663,
93.7695

■ 31.4973, 15.7763,
94.3139

■ 35.3181, 19.7542,
94.8804

■ 40.0755, 25.2204,
95.6847

■ 45.8496, 32.3242,
96.7516

■ 52.7107, 41.1963,
98.1024

■ 60.7224, 51.9534,
99.7565

■ 69.9428, 64.7025,
101.7313

■ 80.4258, 79.5418,
104.0431

■ 92.2218, 96.5633,
106.7069

Harmonies

Analogous

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



16.6035, 13.1079, 142.7195



28.5173, 13.1079, 93.9556



37.9924, 13.1079, 35.8771

Triad

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



28.5173, 13.1079, 93.9556



18.6471, 13.1079, 0.0000



1.9426, 13.1079, 27.9535

Complementary

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



28.5173, 13.1079, 93.9556



45.7596, 75.7151, 13.0131

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.



2.0713, 13.1079, 3.7467



28.5173, 13.1079, 93.9556



9.0683, 13.1079, 0.0000

Square

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



28.5173, 13.1079, 93.9556



30.6305, 13.1079, 0.0000



3.9540, 13.1079, 0.0000



3.4267, 13.1079, 82.5061

Rectangle

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



28.5173, 13.1079, 93.9556



39.7530, 13.1079, 12.3574



3.9540, 13.1079, 0.0000



1.8318, 13.1079, 16.3754

Sweetspot

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



28.5181, 13.1082, 93.9560



65.3308, 57.7069, 102.3030



27.1711, 25.4503, 96.4092



13.3230, 11.4454, 21.7569



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.



28.5181, 13.1082, 93.9560



26.8783, 11.7712, 95.4632



58.5442, 28.5872, 95.3612



17.8685, 17.8239, 22.7485



14.2167, 6.2395, 49.8896



1.5102, 0.6724, 4.8635

Inverse Universe

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



45.4012, 23.3300, 26.1512



45.1029, 22.8052, 22.2717



35.6333, 70.4948, 12.5392



18.3882, 18.1386, 20.6612



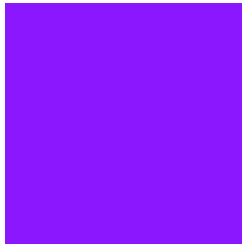
23.6426, 11.9463, 12.0342



2.3571, 1.1852, 1.4620

Previews

White Background



This preview shows how the XYZ color 28.5173, 13.1079, 93.9556 looks on a white background.

Color Contrast Check

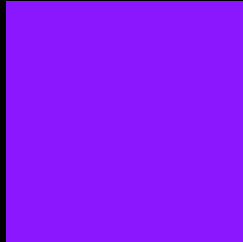
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5173, 13.1079, 93.9556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

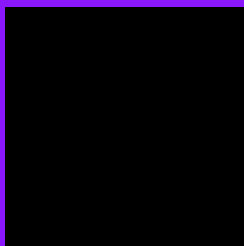
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.5173, 13.1079, 93.9556

Background



This preview shows how black text looks on a background with the XYZ color 28.5173, 13.1079, 93.9556.



This preview shows how white text looks on a background with the XYZ color 28.5173, 13.1079,

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

28.5173, 13.1079, 93.9556

Protanopia

15.5083, 13.1916, 60.1214

Tritanopia

12.8575, 13.0806, 16.0345

Trichromacy



Original Color

28.5173, 13.1079, 93.9556

Protanomaly

16.8879, 10.5123, 70.9510

Tritanomaly

15.9528, 10.9209, 34.9854

Monochromacy



Original Color

28.5173, 13.1079, 93.9556

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

12.5424, 8.4326, 27.7547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5173, 13.1079, 93.9556 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, 253)` looks like.

```
.text, #text, p{  
    color:rgb(138, 23, 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(138, 23, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 23, 253) }
```

Border

The CSS property to change the border of an element to XYZ 28.5173, 13.1079, 93.9556 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, 253) }
```

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

```
.border{ border-color:rgb(138, 23, 253) }
```

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, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 23, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 23, 253);  
box-shadow:4px 4px 4px 4px rgb(138, 23,  
253) }
```


Background

The CSS property to change the background color of an element to XYZ 28.5173, 13.1079, 93.9556 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, 253) }
```

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

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