

Converting Colors

XYZ(28.5909, 12.9715, 95.6046)

Have a look what the booklet for
XYZ(28.5909, 12.9715, 95.6046)
contains.

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Color

**XYZ(28.5828, 12.9710,
95.6049)**

Conversions

Conversions Part 1

Format	Color
Hex	8912FF
RGB	137, 18, 255
RGB Percent	54%, 7%, 100%
CMY	0.4627, 0.9294, 0.0000
CMYK	0.46, 0.93, 0.00, 0.00
HSL	270°, 100%, 54%
HSV	270°, 93%, 100%
XYZ	28.5828, 12.9710, 95.6049
YIQ	80.5990, -5.1530, 98.9350

Conversions

Conversions Part 2

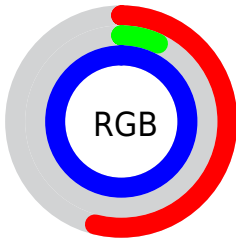
Format	Color
RYB	137, 18, 255
Decimal	8983295
CIELab	42.72, 81.88, -90.27
CIELCh	43, 121.879, 312.210
Yxy	12.9710, 0.2084, 0.0946
Android (android.graphics.Color)	4287173375 (0xFF8912FF)
YUV	80.5990, 85.9797, 49.4637
Hunter-Lab	36.0153, 78.6362, -132.1785

Details

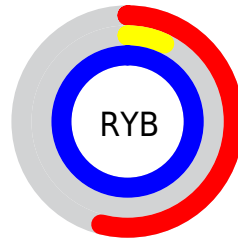
The XYZ color **28.5828, 12.9710, 95.6049** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **46.0211, 76.7972, 12.9699**, and the grayscale version is **7.5801, 7.9749, 8.6846**.

A 20% lighter version of the original color is **45.4418, 26.6441, 97.3555**, and **12.5323, 5.2964, 53.1851** is the 20% darker color. If you saturate the color by 10%, you get **26.9589, 11.8127, 95.4669**, and if you desaturate by 10%, it is **31.4547, 15.4397, 95.9301**.

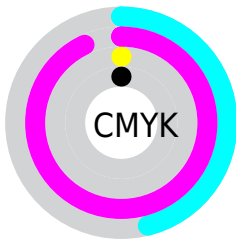
Distribution



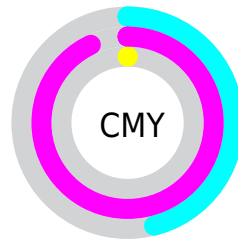
- Red (54%)
- Green (7%)
- Blue (100%)



- Red (54%)
- Yellow (7%)
- Blue (100%)



- Cyan (46%)
- Magenta (93%)
- Yellow (0%)
- Black (0%)





- Cyan (46%)
- Magenta (93%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5828, 12.9710, 95.6049 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 28.5828, 12.9710, 95.6049 by changing the saturation by 10% instead.

 28.5828, 12.9710,
95.6049


 28.5828, 12.9710,
95.6049


287.2712,
210.7317, 567.1334


 18.9081, 7.4086,
72.0389


 56.8157, 31.2517,
157.1028

 11.7075, 3.7189,
52.7034


 76.1047, 44.7387,
195.8717

 6.6156, 1.5176,
37.1799


 99.3292, 61.6361,
240.5454

 3.2671, 0.3011,
25.0500

 126.8545, 82.3282,
291.5423

 1.2965, 0.0000,
15.8949

 159.0460,
107.1994, 349.2810

 0.1806, 0.0000,
9.2963

 196.2690,

 0.0000, 0.0000,

136.6341, 414.1801

4.8355

238.8890,
171.0168, 486.6581

■ 0.0000, 0.0000,
2.0940

■ 0.0000, 0.0000,
0.6122

■ 28.5828, 12.9710,
95.6049

■ 28.5828, 12.9710,
95.6049

■ 26.9589, 11.8127,
95.4669

■ 31.4547, 15.4397,
95.9301

■ 35.1588, 19.1987,
96.4604

■ 39.7967, 24.4386,
97.2273

■ 45.4526, 31.3165,
98.2568

■ 52.1999, 39.9688,
99.5713

■ 60.1045, 50.5173,
101.1907

■ 69.2265, 63.0726,
103.1333

■ 79.6216, 77.7365,
105.4159

■ 91.3418, 94.6040,
108.0539

Harmonies

Analogous

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



16.4918, 12.9710, 145.6410



28.5828, 12.9710, 95.6049



38.2511, 12.9710, 36.1427

Triad

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



28.5828, 12.9710, 95.6049



18.6101, 12.9710, 0.0000



1.8287, 12.9710, 27.8902

Complementary

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



28.5828, 12.9710, 95.6049



46.0211, 76.7972, 12.9699

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.



1.9574, 12.9710, 3.5682



28.5828, 12.9710, 95.6049



8.9325, 12.9710, 0.0000

Square

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



28.5828, 12.9710, 95.6049



30.7850, 12.9710, 0.0000



3.8166, 12.9710, 0.0000



3.2825, 12.9710, 83.5810

Rectangle

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



28.5828, 12.9710, 95.6049



40.0626, 12.9710, 12.2465



3.8166, 12.9710, 0.0000



1.7217, 12.9710, 16.1825

Sweetspot

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



28.5836, 12.9713, 95.6049



64.4573, 56.4654, 102.1094



27.1739, 25.0976, 98.0198



12.9795, 10.9685, 21.6830



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.



28.5836, 12.9713, 95.6049



26.9589, 11.8127, 95.4669



59.5063, 28.9125, 97.0521



17.8722, 17.8259, 22.7487



14.2589, 6.2612, 49.8916



1.5143, 0.6746, 4.8637

Inverse Universe

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



45.8996, 23.4698, 25.4004



45.0678, 22.7911, 22.0870



36.1185, 71.6922, 12.5065



18.3865, 18.1379, 20.6525



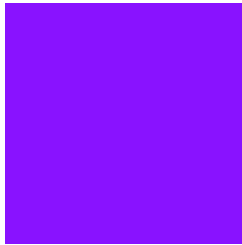
23.6242, 11.9390, 11.9374



2.3553, 1.1845, 1.4524

Previews

White Background



This preview shows how the XYZ color 28.5828, 12.9710, 95.6049 looks on a white background.

Color Contrast Check

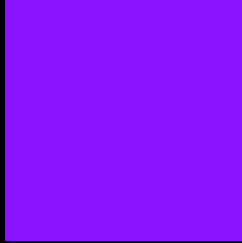
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5828, 12.9710, 95.6049 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 28.5828, 12.9710, 95.6049

Background



This preview shows how black text looks on a background with the XYZ color 28.5828, 12.9710, 95.6049.



This preview shows how white text looks on a background with the XYZ color 28.5828, 12.9710,

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

28.5828, 12.9710, 95.6049

Protanopia

15.3871, 13.1431, 59.4835

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

12.5195, 12.9064, 16.0187

Trichromacy



Original Color

28.5828, 12.9710, 95.6049



Protanomaly

16.7628, 10.2621, 70.9093



Deuteranomaly

14.7174, 9.8510, 58.8833



Tritanomaly

15.4332, 10.4642, 34.9246

Monochromacy



Original Color

28.5828, 12.9710, 95.6049



Achromatopsia

7.8210, 8.2283, 8.9606



Achromatomaly

11.9139, 7.8064, 27.2644

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5828, 12.9710, 95.6049 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(137, 18, 255)` looks like.

```
.text, #text, p{  
    color:rgb(137, 18, 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(137, 18, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 18, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.5828, 12.9710, 95.6049 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(137, 18, 255) }
```


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

```
.border{ border-color:rgb(137, 18, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 18, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 18, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 18, 255);  
box-shadow:4px 4px 4px 4px rgb(137, 18,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5828, 12.9710, 95.6049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 18, 255) }
```

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

```
.background{ background-color: rgb(137, 18,  
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](#).

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