

Converting Colors

XYZ(28.6625, 14.1661, 95.8314)

Have a look what the booklet for
XYZ(28.6625, 14.1661, 95.8314)
contains.

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Color

**XYZ(28.6999, 14.1605,
95.8283)**

Conversions

Conversions Part 1

Format	Color
Hex	852EFF
RGB	133, 46, 255
RGB Percent	52%, 18%, 100%
CMY	0.4784, 0.8196, 0.0000
CMYK	0.48, 0.82, 0.00, 0.00
HSL	265°, 100%, 59%
HSV	265°, 82%, 100%
XYZ	28.6999, 14.1605, 95.8283
YIQ	95.8390, -15.2370, 83.4430

Conversions

Conversions Part 2

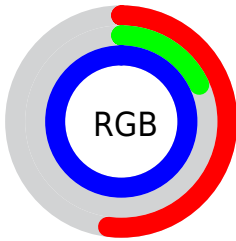
Format	Color
R _Y B	133, 46, 255
Decimal	8728319
CIE Lab	44.46, 74.83, -87.42
CIE LCh	44, 115.071, 310.563
Yxy	14.1605, 0.2069, 0.1021
Android (android.graphics.Color)	4286918399 (0xFF852EFF)
YUV	95.8390, 78.4664, 32.5902
Hunter-Lab	37.6304, 70.2847, -124.6444

Details

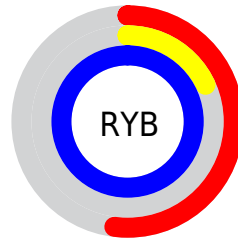
The XYZ color **28.6999, 14.1605, 95.8283** is a dark color, and the websafe version is hex **9933FF**. The color can be described as middle washed purple. A complement of this color would be **52.3997, 80.0411, 15.2722**, and the grayscale version is **10.8987, 11.4663, 12.4868**.

A 20% lighter version of the original color is **45.7653, 28.8564, 97.7655**, and **12.2580, 5.1550, 53.1723** is the 20% darker color. If you saturate the color by 10%, you get **25.7968, 11.5981, 95.4868**, and if you desaturate by 10%, it is **32.5279, 18.0757, 96.3823**.

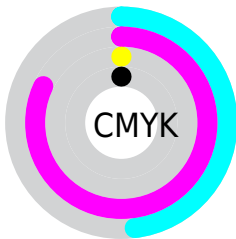
Distribution



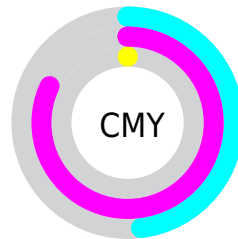
- Red (52%)
- Green (18%)
- Blue (100%)



- Red (52%)
- Yellow (18%)
- Blue (100%)



- Cyan (48%)
- Magenta (82%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (82%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6999, 14.1605, 95.8283 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 28.6999, 14.1605, 95.8283 by changing the saturation by 10% instead.

 28.6999, 14.1605,
95.8283


 28.6999, 14.1605,
95.8283


287.8162,
218.2270, 567.8652

 18.9971, 8.2324,
72.2239

 57.0008, 33.3735,
157.4138


 11.7721, 4.2440,
52.8536


 76.3296, 47.4273,
196.2320


 6.6598, 1.8110,
37.2990


 99.5977, 64.9583,
240.9586

 3.2947, 0.4940,
25.1415

 127.1706, 86.3510,
292.0120

 1.3115, 0.0000,
15.9625

 159.4135,
111.9899, 349.8108

 0.1918, 0.0000,
9.3436

 196.6918,

 0.0000, 0.0000,

142.2592, 414.7736

4.8661

239.3709,
177.5435, 487.3189

■ 0.0000, 0.0000,
2.1115

■ 0.0000, 0.0000,
0.6226

■ 28.6999, 14.1605,
95.8283

■ 28.6999, 14.1605,
95.8283

■ 25.7968, 11.5981,
95.4868

■ 32.5279, 18.0757,
96.3823

■ 24.0126, 10.2938,
95.3290

■ 37.3826, 23.5317,
97.1795

■ 43.3527, 30.6862,
98.2458

■ 50.5155, 39.6765,
99.6036

■ 58.9408, 50.6253,
101.2729

■ 68.6925, 63.6445,
103.2719

■ 79.8300, 78.8373,
105.6174

■ 92.4087, 96.3000,
108.3250

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



16.9990, 14.1605, 139.7815



28.6999, 14.1605, 95.8283



38.2431, 14.1605, 39.4150

Triad

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



28.6999, 14.1605, 95.8283



20.3063, 14.1605, 0.0000



2.4397, 14.1605, 26.7999

Complementary

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



28.6999, 14.1605, 95.8283



52.3997, 80.0411, 15.2722

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.



2.6756, 14.1605, 3.9045



28.6999, 14.1605, 95.8283



10.4484, 14.1605, 0.0000

Square

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



28.6999, 14.1605, 95.8283



32.0543, 14.1605, 0.1280



4.8759, 14.1605, 0.0000



3.9503, 14.1605, 78.1571

Rectangle

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



28.6999, 14.1605, 95.8283



40.3162, 14.1605, 14.9223



4.8759, 14.1605, 0.0000



2.3444, 14.1605, 15.9254

Sweetspot

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



28.7007, 14.1608, 95.8284



65.5859, 59.4637, 102.6286



33.8150, 37.0776, 99.9822



13.3028, 11.7456, 21.8159



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.



28.7007, 14.1608, 95.8284



24.4286, 10.5905, 95.3644



52.9913, 26.6831, 96.9651



17.7195, 17.7471, 22.7416



12.7076, 5.4615, 49.8190



1.3582, 0.5941, 4.8564

Inverse Universe

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



49.2840, 26.0406, 39.4703



46.8785, 23.6040, 31.3487



38.5608, 72.9069, 14.6246



18.4541, 18.1649, 21.0084



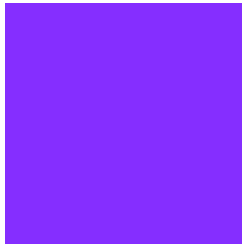
24.4530, 12.2705, 16.3016



2.4354, 1.2165, 1.8741

Previews

White Background



This preview shows how the XYZ color 28.6999, 14.1605, 95.8283 looks on a white background.

Color Contrast Check

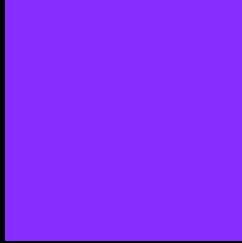
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6999, 14.1605, 95.8283 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 28.6999, 14.1605, 95.8283

Background



This preview shows how black text looks on a background with the XYZ color 28.6999, 14.1605, 95.8283.



This preview shows how white text looks on a background with the XYZ color 28.6999, 14.1605,

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

28.6999, 14.1605, 95.8283

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

13.9098, 14.1440, 46.7967



Tritanopia

13.0724, 14.0327, 18.2392

Trichromacy



Original Color

28.6999, 14.1605, 95.8283



Protanomaly

18.1649, 12.1147, 74.7798



Deuteranomaly

15.9760, 11.7288, 61.7435



Tritanomaly

16.3599, 12.3450, 37.5970

Monochromacy



Original Color

28.6999, 14.1605, 95.8283



Achromatopsia

11.1181, 11.6971, 12.7381



Achromatomaly

14.8638, 11.0331, 31.9180

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6999, 14.1605, 95.8283 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(133, 46, 255)` looks like.

```
.text, #text, p{  
    color:rgb(133, 46, 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(133, 46, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 46, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.6999, 14.1605, 95.8283 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(133, 46, 255) }
```


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

```
.border{ border-color:rgb(133, 46, 255) }
```

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

Here you see how a box with a 4 pixel rgb(133, 46, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 46, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 46, 255);  
box-shadow:4px 4px 4px 4px rgb(133, 46,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6999, 14.1605, 95.8283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 46, 255) }
```

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

```
.background{ background-color: rgb(133, 46,  
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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