

Converting Colors

XYZ(27.8616, 12.2781, 95.5092)

Have a look what the booklet for
XYZ(27.8616, 12.2781, 95.5092)
contains.

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Color

**XYZ(27.8815, 12.2883,
95.5101)**

Conversions

Conversions Part 1

Format	Color
Hex	8600FF
RGB	134, 0, 255
RGB Percent	53%, 0%, 100%
CMY	0.4745, 1.0000, 0.0000
CMYK	0.47, 1.00, 0.00, 0.00
HSL	272°, 100%, 50%
HSV	272°, 100%, 100%
XYZ	27.8815, 12.2883, 95.5101
YIQ	69.1360, -1.9910, 107.7130

Conversions

Conversions Part 2

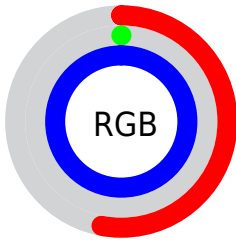
Format	Color
RYB	134, 0, 255
Decimal	8782079
CIELab	41.67, 83.64, -92.02
CIELCh	42, 124.353, 312.270
Yxy	12.2883, 0.2055, 0.0906
Android (android.graphics.Color)	4286972159 (0xFF8600FF)
YUV	69.1360, 91.6310, 56.8857
Hunter-Lab	35.0547, 80.6282, -137.0035

Details

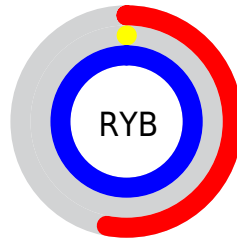
The XYZ color **27.8815, 12.2883, 95.5101** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **43.6444, 75.5846, 12.2890**, and the grayscale version is **5.5349, 5.8232, 6.3415**.

A 20% lighter version of the original color is **44.2463, 25.4310, 97.1844**, and **12.1924, 5.1212, 53.1692** is the 20% darker color. If you saturate the color by 10%, you get **27.8824, 12.2888, 95.5101**, and if you desaturate by 10%, it is **30.2811, 14.0574, 95.7251**.

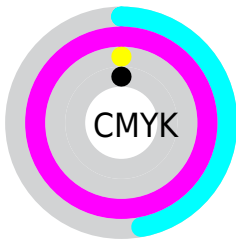
Distribution



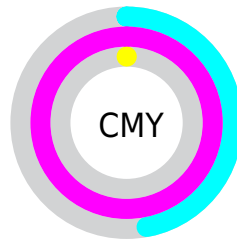
- Red (53%)
- Green (0%)
- Blue (100%)



- Red (53%)
- Yellow (0%)
- Blue (100%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8815, 12.2883, 95.5101 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 27.8815, 12.2883, 95.5101 by changing the saturation by 10% instead.

 27.8815, 12.2883,
95.5101


 27.8815, 12.2883,
95.5101


283.9906,
206.3047, 566.8227


 18.3763, 6.9403,
71.9604


 55.7052, 30.0191,
156.9708

 11.3218, 3.4248,
52.6397


 74.7544, 43.1707,
195.7188


 6.3526, 1.3573,
37.1294


 97.7157, 59.6924,
240.3700

 3.1034, 0.1850,
25.0112

 124.9544, 79.9685,
291.3430

 1.2087, 0.0000,
15.8663

 156.8359,
104.3833, 349.0561

 0.1132, 0.0000,
9.2762

 193.7255,

 0.0000, 0.0000,

133.3214, 413.9282

4.8225

235.9886,
167.1670, 486.3775

■ 0.0000, 0.0000,
2.0866

■ 0.0000, 0.0000,
0.6078

■ 27.8815, 12.2883,
95.5101

■ 27.8815, 12.2883,
95.5101

■ 27.8824, 12.2888,
95.5101

■ 30.2811, 14.0574,
95.7251

■ 33.3746, 16.8775,
96.1064

■ 37.3124, 21.0380,
96.7019

■ 42.1882, 26.7170,
97.5411

■ 48.0815, 34.0642,
98.6486

■ 55.0623, 43.2106,
100.0461

■ 63.1938, 54.2740,
101.7530

■ 72.5337, 67.3616,
103.7869

■ 83.1357, 82.5727,
106.1641

Harmonies

Analogous

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



15.8146, 12.2883, 146.7981



27.8815, 12.2883, 95.5101



37.5942, 12.2883, 35.2295

Triad

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



27.8815, 12.2883, 95.5101



17.8723, 12.2883, 0.0000



1.5601, 12.2883, 27.1343

Complementary

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



27.8815, 12.2883, 95.5101



43.6444, 75.5846, 12.2890

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.



1.6757, 12.2883, 3.1755



27.8815, 12.2883, 95.5101



8.3367, 12.2883, 0.0000

Square

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



27.8815, 12.2883, 95.5101



30.0444, 12.2883, 0.0000



3.4119, 12.2883, 0.0000



2.9180, 12.2883, 83.5126

Rectangle

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



27.8815, 12.2883, 95.5101



39.4077, 12.2883, 11.4888



3.4119, 12.2883, 0.0000



1.4612, 12.2883, 15.4679

Sweetspot

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



27.8824, 12.2888, 95.5101



63.1938, 54.2740, 101.7530



25.1640, 21.4480, 97.4213



12.7614, 10.5669, 21.6170



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.



27.8824, 12.2888, 95.5101



58.6132, 28.2093, 93.4160



17.9141, 17.8475, 22.7507



14.7430, 6.5108, 49.9142



1.5617, 0.6990, 4.8659

Inverse Universe

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



44.6909, 22.6403, 20.1019



35.7833, 71.5293, 12.0426



18.3682, 18.1306, 20.5563



23.4262, 11.8598, 10.8946



2.3357, 1.1766, 1.3490

Previews

White Background



This preview shows how the XYZ color 27.8815, 12.2883, 95.5101 looks on a white background.

Color Contrast Check

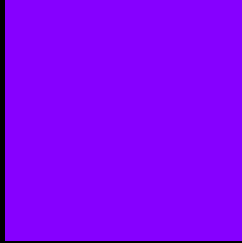
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8815, 12.2883, 95.5101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

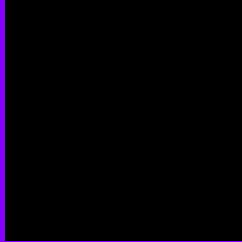
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8815, 12.2883, 95.5101

Background



This preview shows how black text looks on a background with the XYZ color 27.8815, 12.2883, 95.5101.



This preview shows how white text looks on a background with the XYZ color 27.8815, 12.2883,

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

27.8815, 12.2883, 95.5101

Protanopia

14.8435, 12.6300, 57.5326

Deuteranopia

12.2942, 12.5199, 41.3038



Tritanopia

11.9396, 12.4720, 15.6880

Trichromacy



Original Color

27.8815, 12.2883, 95.5101



Protanomaly

15.9865, 9.2109, 69.3419



Deuteranomaly

13.9364, 8.7454, 57.4534



Tritanomaly

14.6409, 9.4432, 34.7693

Monochromacy



Original Color

27.8815, 12.2883, 95.5101



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.9302, 5.9347, 24.2890

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8815, 12.2883, 95.5101 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(134, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 0, 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(134, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8815, 12.2883, 95.5101 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(134, 0, 255) }
```

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

```
.border{ border-color:rgb(134, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(134, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8815, 12.2883, 95.5101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 0, 255) }
```

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

```
.background{ background-color: rgb(134, 0,  
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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