

Converting Colors

XYZ(27.6452, 12.1910, 95.4819)

Have a look what the booklet for
XYZ(27.6452, 12.1910, 95.4819)
contains.

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Color

**XYZ(27.5766, 12.1472,
95.4989)**

Conversions

Conversions Part 1

Format	Color
Hex	8401FF
RGB	132, 1, 255
RGB Percent	52%, 0%, 100%
CMY	0.4823, 0.9961, 0.0000
CMYK	0.48, 1.00, 0.00, 0.00
HSL	271°, 100%, 50%
HSV	271°, 100%, 100%
XYZ	27.5766, 12.1472, 95.4989
YIQ	69.1250, -3.4580, 106.7660

Conversions

Conversions Part 2

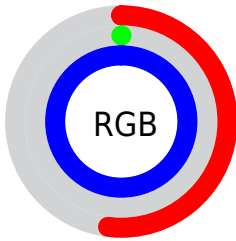
Format	Color
RYB	132, 1, 255
Decimal	8651263
CIELab	41.45, 83.38, -92.39
CIElCh	41, 124.456, 312.065
Yxy	12.1472, 0.2039, 0.0898
Android (android.graphics.Color)	4286841343 (0xFF8401FF)
YUV	69.1250, 91.6364, 55.1414
Hunter-Lab	34.8528, 80.2421, -138.0613

Details

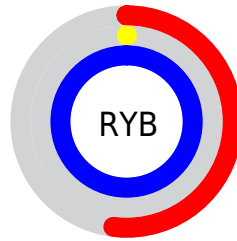
The XYZ color **27.5766, 12.1472, 95.4989** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **44.0748, 75.8058, 12.3373**, and the grayscale version is **5.5321, 5.8202, 6.3382**.

A 20% lighter version of the original color is **43.9853, 25.2964, 97.1722**, and **12.0025, 5.0233, 53.1603** is the 20% darker color. If you saturate the color by 10%, you get **27.4921, 12.0876, 95.4919**, and if you desaturate by 10%, it is **29.9937, 13.9417, 95.7179**.

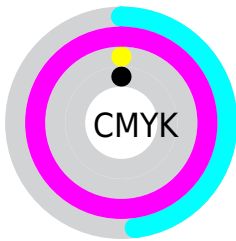
Distribution



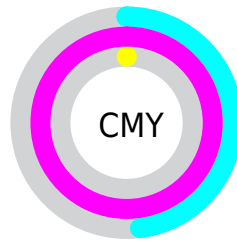
- Red (52%)
- Green (0%)
- Blue (100%)



- Red (52%)
- Yellow (0%)
- Blue (100%)



- Cyan (48%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (48%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5766, 12.1472, 95.4989 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 27.5766, 12.1472, 95.4989 by changing the saturation by 10% instead.


 27.5766, 12.1472,
95.4989


 27.5766, 12.1472,
95.4989


282.5551,
205.3774, 566.7860


 18.1456, 6.8440,
71.9511


 55.2211, 29.7629,
156.9552

 11.1549, 3.3647,
52.6321


 74.1653, 42.8442,
195.7007

 6.2392, 1.3250,
37.1235


 97.0113, 59.2870,
240.3493

 3.0331, 0.1604,
25.0066

 124.1244, 79.4757,
291.3194

 1.1713, 0.0000,
15.8629

 155.8700,
103.7947, 349.0296

 0.0835, 0.0000,
9.2739

 192.6134,

 0.0000, 0.0000,

132.6284, 413.8984

4.8210

234.7200,
166.3612, 486.3443

■ 0.0000, 0.0000,
2.0857

■ 0.0000, 0.0000,
0.6073

■ 27.5766, 12.1472,
95.4989

■ 27.5766, 12.1472,
95.4989

■ 27.4921, 12.0876,
95.4919

■ 29.9937, 13.9417,
95.7179

■ 33.1236, 16.8128,
96.1071

■ 37.1105, 21.0364,
96.7122

■ 42.0477, 26.7894,
97.5625

■ 48.0148, 34.2209,
98.6824

■ 55.0818, 43.4614,
100.0935

■ 63.3120, 54.6285,
101.8152

■ 72.7633, 67.8293,
103.8651

■ 83.4898, 83.1629,
106.2594

Harmonies

Analogous

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



15.5798, 12.1472, 146.4240



27.5766, 12.1472, 95.4989



37.2898, 12.1472, 35.2853

Triad

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



27.5766, 12.1472, 95.4989



17.7787, 12.1472, 0.0000



1.5181, 12.1472, 26.6235

Complementary

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



27.5766, 12.1472, 95.4989



44.0748, 75.8058, 12.3373

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.



1.6406, 12.1472, 3.0477



27.5766, 12.1472, 95.4989



8.2758, 12.1472, 0.0000

Square

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



27.5766, 12.1472, 95.4989



29.8910, 12.1472, 0.0000



3.3690, 12.1472, 0.0000



2.8442, 12.1472, 82.6366

Rectangle

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



27.5766, 12.1472, 95.4989



39.1434, 12.1472, 11.5100



3.3690, 12.1472, 0.0000



1.4236, 12.1472, 15.1051

Sweetspot

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



27.5774, 12.1474, 95.4989



62.9711, 54.1592, 101.7426



25.7807, 22.6630, 97.6233



12.7087, 10.5398, 21.6145



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.



27.5774, 12.1474, 95.4989



27.4921, 12.0876, 95.4919



59.3007, 28.5014, 96.9836



17.8967, 17.8385, 22.7499



14.5385, 6.4054, 49.9047



1.5417, 0.6887, 4.8649

Inverse Universe

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



44.8876, 22.7362, 21.0851



44.8448, 22.7019, 20.9124



35.7778, 71.5285, 11.9490



18.3758, 18.1336, 20.5962



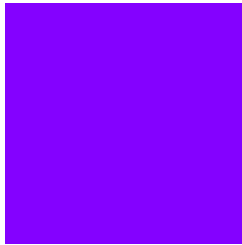
23.5071, 11.8921, 11.3206



2.3437, 1.1799, 1.3914

Previews

White Background



This preview shows how the XYZ color 27.5766, 12.1472, 95.4989 looks on a white background.

Color Contrast Check

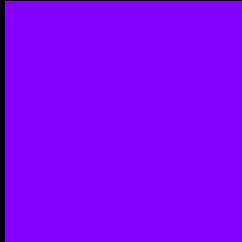
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5766, 12.1472, 95.4989 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

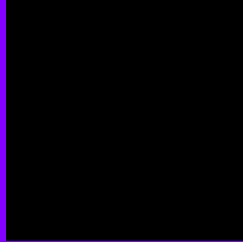
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5766, 12.1472, 95.4989

Background



This preview shows how black text looks on a background with the XYZ color 27.5766, 12.1472, 95.4989.



This preview shows how white text looks on a background with the XYZ color 27.5766, 12.1472,

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

27.5766, 12.1472, 95.4989

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.1978, 12.4813, 40.7960



Tritanopia

11.6299, 12.3124, 15.6735

Trichromacy



Original Color

27.5766, 12.1472, 95.4989



Protanomaly

15.9388, 9.1863, 69.3397



Deuteranomaly

13.7699, 8.6732, 56.8255



Tritanomaly

14.2739, 9.2540, 34.7521

Monochromacy



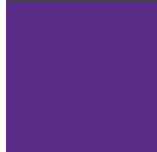
Original Color

27.5766, 12.1472, 95.4989



Achromatopsia

5.6565, 5.9511, 6.4808



Achromatomaly

9.8297, 5.8828, 24.2843

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5766, 12.1472, 95.4989 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(132, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(132, 1, 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(132, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 1, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.5766, 12.1472, 95.4989 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(132, 1, 255) }
```


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

```
.border{ border-color:rgb(132, 1, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 1, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(132, 1,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5766, 12.1472, 95.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 1, 255) }
```

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

```
.background{ background-color: rgb(132, 1,  
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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