

Converting Colors

XYZ(27.5409, 12.5071, 95.5703)

Have a look what the booklet for
XYZ(27.5409, 12.5071, 95.5703)
contains.

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Color

**XYZ(27.5241, 12.5022,
95.5702)**

Conversions

Conversions Part 1

Format	Color
Hex	8215FF
RGB	130, 21, 255
RGB Percent	51%, 8%, 100%
CMY	0.4902, 0.9177, 0.0000
CMYK	0.49, 0.92, 0.00, 0.00
HSL	268°, 100%, 54%
HSV	268°, 92%, 100%
XYZ	27.5241, 12.5022, 95.5702
YIQ	80.2670, -10.1500, 95.8820

Conversions

Conversions Part 2

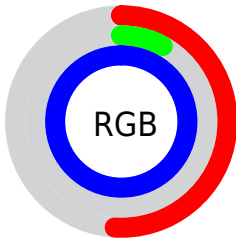
Format	Color
R _Y B	130, 21, 255
Decimal	8525311
CIE Lab	42.00, 80.78, -91.49
CIE LCh	42, 122.047, 311.445
Yxy	12.5022, 0.2030, 0.0922
Android (android.graphics.Color)	4286715391 (0xFF8215FF)
YUV	80.2670, 86.1434, 43.6158
Hunter-Lab	35.3585, 77.0726, -135.5038

Details

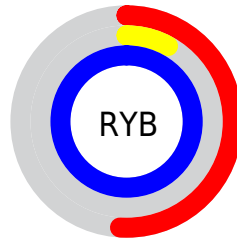
The XYZ color **27.5241, 12.5022, 95.5702** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **47.7476, 77.6842, 13.1873**, and the grayscale version is **7.5162, 7.9076, 8.6114**.

A 20% lighter version of the original color is **43.6985, 25.8698, 97.2979**, and **11.8817, 4.9610, 53.1547** is the 20% darker color. If you saturate the color by 10%, you get **25.6290, 11.1271, 95.4047**, and if you desaturate by 10%, it is **30.4830, 15.1087, 95.9174**.

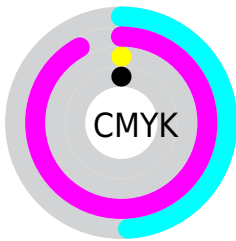
Distribution



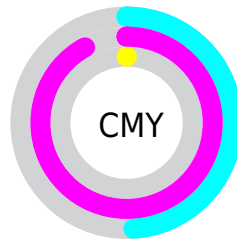
- Red (51%)
- Green (8%)
- Blue (100%)



- Red (51%)
- Yellow (8%)
- Blue (100%)



- Cyan (49%)
- Magenta (92%)
- Yellow (0%)
- Black (0%)



- Cyan (49%)
- Magenta (92%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.5241, 12.5022, 95.5702 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 27.5241, 12.5022, 95.5702 by changing the saturation by 10% instead.

■ 27.5241, 12.5022,
95.5702

■ 27.5241, 12.5022,
95.5702

282.3073,
207.7022, 567.0197

■ 18.1058, 7.0867,
72.0101

■ 55.1377, 30.4065,
157.0545

■ 11.1262, 3.5164,
52.6801

■ 74.0638, 43.6641,
195.8158

■ 6.2197, 1.4069,
37.1615

■ 96.8898, 60.3045,
240.4812

■ 3.0210, 0.2218,
25.0358

■ 123.9812, 80.7120,
291.4694

■ 1.1649, 0.0000,
15.8844

■ 155.7033,
105.2712, 349.1987

■ 0.0784, 0.0000,
9.2889

■ 192.4215,

■ 0.0000, 0.0000,

134.3664, 414.0879

4.8307

234.5010,
168.3819, 486.5554

■ 0.0000, 0.0000,
2.0913

■ 0.0000, 0.0000,
0.6106

■ 27.5241, 12.5022,
95.5702

■ 27.5241, 12.5022,
95.5702

■ 25.6290, 11.1271,
95.4047

■ 30.4830, 15.1087,
95.9174

■ 34.3201, 19.0472,
96.4754

■ 39.1366, 24.5045,
97.2749

■ 45.0171, 31.6358,
98.3414

■ 52.0357, 40.5765,
99.6972

■ 60.2592, 51.4476,
101.3621

■ 69.7490, 64.3596,
103.3542

■ 80.5616, 79.4142,
105.6902

■ 92.7503, 96.7063,
108.3855

Harmonies

Analogous

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



15.6812, 12.5022, 144.1862



27.5241, 12.5022, 95.5702



37.1933, 12.5022, 36.4294

Triad

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



27.5241, 12.5022, 95.5702



18.3256, 12.5022, 0.0000



1.6858, 12.5022, 26.0897

Complementary

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



27.5241, 12.5022, 95.5702



47.7476, 77.6842, 13.1873

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.



1.8424, 12.5022, 3.1148



27.5241, 12.5022, 95.5702



8.7537, 12.5022, 0.0000

Square

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



27.5241, 12.5022, 95.5702



30.2833, 12.5022, 0.0000



3.6853, 12.5022, 0.0000



3.0294, 12.5022, 80.4230

Rectangle

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



27.5241, 12.5022, 95.5702



39.1506, 12.5022, 12.3946



3.6853, 12.5022, 0.0000



1.5949, 12.5022, 14.9082

Sweetspot

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



27.5249, 12.5025, 95.5702



63.6816, 56.0655, 102.0731



29.2174, 29.0959, 98.6839



12.7944, 10.8730, 21.6743



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.



27.5249, 12.5025, 95.5702



25.6290, 11.1271, 95.4047



55.3838, 26.8642, 96.8740



17.8074, 17.7925, 22.7457



13.5603, 5.9011, 49.8589



1.4450, 0.6388, 4.8604

Inverse Universe

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



46.6956, 23.8712, 29.3366



45.6988, 23.0435, 25.4099



36.5128, 71.8925, 12.6615



18.4150, 18.1493, 20.8025



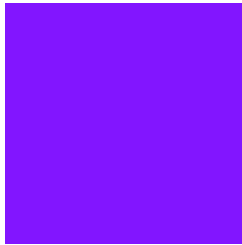
23.9549, 12.0712, 13.6787



2.3876, 1.1974, 1.6226

Previews

White Background



This preview shows how the XYZ color 27.5241, 12.5022, 95.5702 looks on a white background.

Color Contrast Check

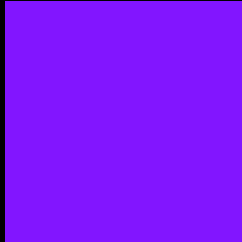
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5241, 12.5022, 95.5702 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 27.5241, 12.5022, 95.5702

Background



This preview shows how black text looks on a background with the XYZ color 27.5241, 12.5022, 95.5702.



This preview shows how white text looks on a background with the XYZ color 27.5241, 12.5022,

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

27.5241, 12.5022, 95.5702

Protanopia

14.7255, 12.5828, 56.9109

Deuteranopia

12.1978, 12.4813, 40.7960



Tritanopia

11.6304, 12.5851, 16.2842

Trichromacy



Original Color

27.5241, 12.5022, 95.5702



Protanomaly

16.3516, 10.0810, 69.4906



Deuteranomaly

14.2155, 9.6337, 56.9874



Tritanomaly

14.6647, 10.2466, 35.3873

Monochromacy



Original Color

27.5241, 12.5022, 95.5702



Achromatopsia

7.6249, 8.0220, 8.7359



Achromatomaly

11.6350, 7.7382, 27.2659

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5241, 12.5022, 95.5702 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(130, 21, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 21, 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(130, 21, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 21, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.5241, 12.5022, 95.5702 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(130, 21, 255) }
```


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

```
.border{ border-color:rgb(130, 21, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 21, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 21, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 21, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 21,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5241, 12.5022, 95.5702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 21, 255) }
```

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

```
.background{ background-color: rgb(130, 21,  
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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