

Converting Colors

XYZ(27.8432, 13.1559, 95.6796)

Have a look what the booklet for
XYZ(27.8432, 13.1559, 95.6796)
contains.

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Color

**XYZ(27.8570, 13.1679,
95.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	8223FF
RGB	130, 35, 255
RGB Percent	51%, 14%, 100%
CMY	0.4902, 0.8628, 0.0000
CMYK	0.49, 0.86, 0.00, 0.00
HSL	266°, 100%, 57%
HSV	266°, 86%, 100%
XYZ	27.8570, 13.1679, 95.6812
YIQ	88.4850, -14.0000, 88.5600

Conversions

Conversions Part 2

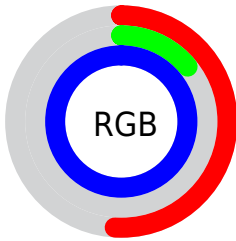
Format	Color
R _Y B	130, 35, 255
Decimal	8528895
CIE Lab	43.02, 77.75, -89.82
CIE LCh	43, 118.794, 310.881
Yxy	13.1679, 0.2038, 0.0963
Android (android.graphics.Color)	4286718975 (0xFF8223FF)
YUV	88.4850, 82.0919, 36.4087
Hunter-Lab	36.2876, 73.5263, -130.9314

Details

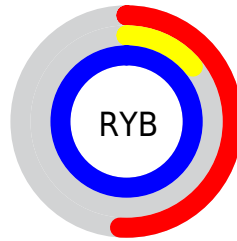
The XYZ color **27.8570, 13.1679, 95.6812** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **50.5587, 79.1140, 14.1957**, and the grayscale version is **9.2103, 9.6900, 10.5524**.

A 20% lighter version of the original color is **44.3170, 27.1068, 97.5041**, and **11.9415, 4.9919, 53.1575** is the 20% darker color. If you saturate the color by 10%, you get **25.2917, 11.1062, 95.4184**, and if you desaturate by 10%, it is **31.2800, 16.4779, 96.1396**.

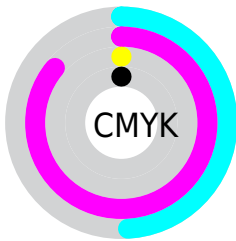
Distribution



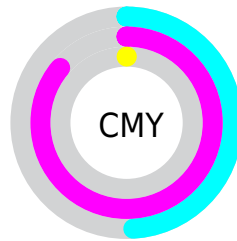
- Red (51%)
- Green (14%)
- Blue (100%)



- Red (51%)
- Yellow (14%)
- Blue (100%)



- Cyan (49%)
- Magenta (86%)
- Yellow (0%)
- Black (0%)




- Cyan (49%)
- Magenta (86%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8570, 13.1679, 95.6812 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 27.8570, 13.1679, 95.6812 by changing the saturation by 10% instead.


 27.8570, 13.1679,
95.6812


 27.8570, 13.1679,
95.6812

283.8755,
211.9909, 567.3834


 18.3578, 7.5443,
72.1021


 55.6663, 31.6051,
157.2090

 11.3084, 3.8047,
52.7547


 74.7071, 45.1874,
195.9948


 6.3435, 1.5649,
37.2206


 97.6591, 62.1915,
240.6865

 3.0977, 0.3338,
25.0812

 124.8878, 83.0016,
291.7028

 1.2056, 0.0000,
15.9180

 156.7584,
108.0022, 349.4620

 0.1108, 0.0000,
9.3124

 193.6363,

 0.0000, 0.0000,

137.5777, 414.3829

4.8459

235.8869,
172.1125, 486.8838

■ 0.0000, 0.0000,
2.1000

■ 0.0000, 0.0000,
0.6158

■ 27.8570, 13.1679,
95.6812

■ 27.8570, 13.1679,
95.6812

■ 25.2917, 11.1062,
95.4184

■ 31.2800, 16.4779,
96.1396

■ 24.4957, 10.5429,
95.3517

■ 35.6719, 21.2441,
96.8281

■ 41.1263, 27.6354,
97.7743

■ 47.7236, 35.7963,
99.0018

■ 55.5356, 45.8547,
100.5315

■ 64.6277, 57.9264,
102.3824

■ 75.0602, 72.1177,
104.5718

■ 86.8893, 88.5273,
107.1157

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.



16.1262, 13.1679, 141.7998



27.8570, 13.1679, 95.6812



37.4684, 13.1679, 37.8762

Triad

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



27.8570, 13.1679, 95.6812



19.1819, 13.1679, 0.0000



1.9861, 13.1679, 26.0602

Complementary

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



27.8570, 13.1679, 95.6812



50.5587, 79.1140, 14.1957

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.



2.1834, 13.1679, 3.3777



27.8570, 13.1679, 95.6812



9.4889, 13.1679, 0.0000

Square

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



27.8570, 13.1679, 95.6812



31.0048, 13.1679, 0.0000



4.1898, 13.1679, 0.0000



3.3884, 13.1679, 78.7160

Rectangle

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



27.8570, 13.1679, 95.6812



39.5091, 13.1679, 13.5790



4.1898, 13.1679, 0.0000



1.8957, 13.1679, 15.1239

Sweetspot

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



27.8578, 13.1682, 95.6812



64.8972, 58.2889, 102.4382



31.8992, 33.8897, 99.4678



13.1820, 11.5266, 21.7800



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.



27.8578, 13.1682, 95.6812



24.4957, 10.5429, 95.3517



53.4647, 26.3690, 96.8796



17.7470, 17.7613, 22.7429



12.9629, 5.5931, 49.8309



1.3845, 0.6076, 4.8576

Inverse Universe

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



48.1853, 24.9996, 35.5392



46.3414, 23.3005, 28.7934



37.5489, 72.4072, 13.5868



18.4418, 18.1600, 20.9436



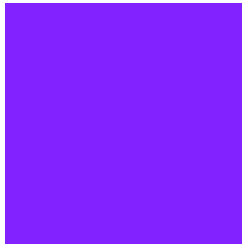
24.2907, 12.2056, 15.4473



2.4199, 1.2103, 1.7928

Previews

White Background



This preview shows how the XYZ color 27.8570, 13.1679, 95.6812 looks on a white background.

Color Contrast Check

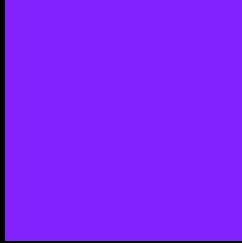
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8570, 13.1679, 95.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

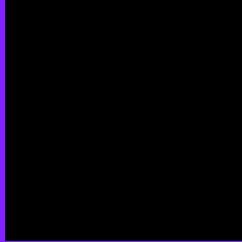
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8570, 13.1679, 95.6812

Background



This preview shows how black text looks on a background with the XYZ color 27.8570, 13.1679, 95.6812.



This preview shows how white text looks on a background with the XYZ color 27.8570, 13.1679,

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

27.8570, 13.1679, 95.6812

Protanopia

15.5083, 13.1916, 60.1214

Deuteranopia

12.7868, 13.0352, 42.9164



Tritanopia

12.0339, 13.0723, 16.9279

Trichromacy



Original Color

27.8570, 13.1679, 95.6812



Protanomaly

17.1429, 11.0183, 71.7442



Deuteranomaly

14.9877, 10.6041, 59.0145



Tritanomaly

15.1609, 11.0964, 35.9931

Monochromacy



Original Color

27.8570, 13.1679, 95.6812



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

13.1465, 9.3097, 29.5378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8570, 13.1679, 95.6812 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, 35, 255)` looks like.

```
.text, #text, p{  
    color:rgb(130, 35, 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, 35, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 35, 255) }
```

Border

The CSS property to change the border of an element to XYZ 27.8570, 13.1679, 95.6812 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, 35, 255) }
```


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

```
.border{ border-color:rgb(130, 35, 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, 35, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 35, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 35, 255);  
box-shadow:4px 4px 4px 4px rgb(130, 35,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8570, 13.1679, 95.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 35, 255) }
```

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

```
.background{ background-color: rgb(130, 35,  
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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