

Converting Colors

XYZ(28.1230, 12.6469, 95.5666)

Have a look what the booklet for
XYZ(28.1230, 12.6469, 95.5666)
contains.

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Color

**XYZ(28.1987, 12.6850,
95.5699)**

Conversions

Conversions Part 1

Format	Color
Hex	870EFF
RGB	135, 14, 255
RGB Percent	53%, 5%, 100%
CMY	0.4706, 0.9451, 0.0000
CMYK	0.47, 0.95, 0.00, 0.00
HSL	270°, 100%, 53%
HSV	270°, 95%, 100%
XYZ	28.1987, 12.6850, 95.5699
YIQ	77.6530, -5.2450, 100.6030

Conversions

Conversions Part 2

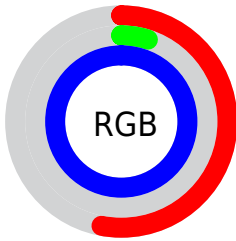
Format	Color
R _Y B	135, 14, 255
Decimal	8851199
CIE Lab	42.28, 82.25, -91.00
CIE LCh	42, 122.663, 312.109
Yxy	12.6850, 0.2067, 0.0930
Android (android.graphics.Color)	4287041279 (0xFF870EFF)
YUV	77.6530, 87.4321, 50.2933
Hunter-Lab	35.6160, 78.9980, -134.1641

Details

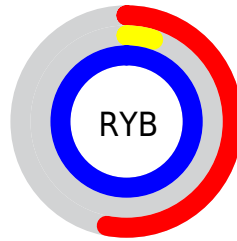
The XYZ color **28.1987, 12.6850, 95.5699** is a dark color, and the websafe version is hex **9900FF**. The color can be described as dark saturated purple. A complement of this color would be **45.6691, 76.6192, 12.7973**, and the grayscale version is **7.0185, 7.3840, 8.0411**.

A 20% lighter version of the original color is **44.8284, 26.2052, 97.3031**, and **12.3248, 5.1895, 53.1754** is the 20% darker color. If you saturate the color by 10%, you get **26.9577, 11.8121, 95.4669**, and if you desaturate by 10%, it is **30.9507, 14.9719, 95.8663**.

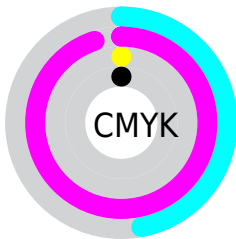
Distribution



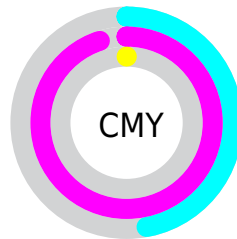
- Red (53%)
- Green (5%)
- Blue (100%)



- Red (53%)
- Yellow (5%)
- Blue (100%)



- Cyan (47%)
- Magenta (95%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (95%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.1987, 12.6850, 95.5699 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 28.1987, 12.6850, 95.5699 by changing the saturation by 10% instead.


 28.1987, 12.6850,
95.5699


 28.1987, 12.6850,
95.5699


285.4781,
208.8889, 567.0187


 18.6167, 7.2120,
72.0099


 56.2079, 30.7367,
157.0541


 11.4960, 3.5950,
52.6799


 75.3659, 44.0842,
195.8153

 6.4712, 1.4497,
37.1613

 98.4466, 60.8253,
240.4807

 3.1770, 0.2529,
25.0356

 125.8153, 81.3444,
291.4687

 1.2481, 0.0000,
15.8843

 157.8375,
106.0259, 349.1980

 0.1438, 0.0000,
9.2889

 194.8784,

 0.0000, 0.0000,

135.2543, 414.0871

4.8307

237.3035,
169.4138, 486.5545

■ 0.0000, 0.0000,
2.0913

■ 0.0000, 0.0000,
0.6106

■ 28.1987, 12.6850,
95.5699

■ 28.1987, 12.6850,
95.5699

■ 26.9577, 11.8121,
95.4669

■ 30.9507, 14.9719,
95.8663

■ 34.5169, 18.5147,
96.3622

■ 39.0024, 23.5111,
97.0902

■ 44.4936, 30.1225,
98.0769

■ 51.0652, 38.4880,
99.3452

■ 58.7842, 48.7315,
100.9156

■ 67.7115, 60.9650,
102.8064

■ 77.9035, 75.2917,
105.0345

■ 89.4128, 91.8075,
107.6158

Harmonies

Analogous

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



16.1536, 12.6850, 145.7654



28.1987, 12.6850, 95.5699



37.8814, 12.6850, 35.9052

Triad

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



28.1987, 12.6850, 95.5699



18.3367, 12.6850, 0.0000



1.7209, 12.6850, 27.3697

Complementary

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



28.1987, 12.6850, 95.5699



45.6691, 76.6192, 12.7973

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.



1.8499, 12.6850, 3.3721



28.1987, 12.6850, 95.5699



8.7187, 12.6850, 0.0000

Square

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



28.1987, 12.6850, 95.5699



30.4773, 12.6850, 0.0000



3.6687, 12.6850, 0.0000



3.1277, 12.6850, 83.0579

Rectangle

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



28.1987, 12.6850, 95.5699



39.7167, 12.6850, 12.0332



3.6687, 12.6850, 0.0000



1.6189, 12.6850, 15.7576

Sweetspot

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



28.1995, 12.6853, 95.5700



64.4566, 56.4651, 102.1094



26.8250, 24.5014, 97.9231



12.9793, 10.9684, 21.6830



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.



28.1995, 12.6853, 95.5700



26.9577, 11.8121, 95.4669



59.4470, 28.7939, 97.0323



17.8722, 17.8258, 22.7487



14.2583, 6.2609, 49.8916



1.5143, 0.6746, 4.8637

Inverse Universe

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



45.6993, 23.2949, 24.6382



45.0683, 22.7913, 22.0897



36.0203, 71.6450, 12.3457



18.3865, 18.1379, 20.6526



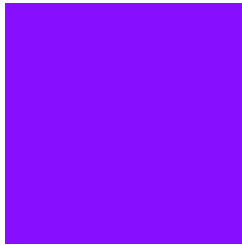
23.6245, 11.9391, 11.9388



2.3553, 1.1845, 1.4526

Previews

White Background



This preview shows how the XYZ color 28.1987, 12.6850, 95.5699 looks on a white background.

Color Contrast Check

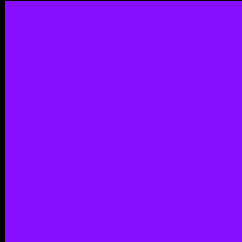
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1987, 12.6850, 95.5699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

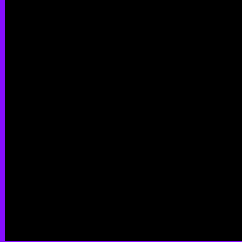
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.1987, 12.6850, 95.5699

Background



This preview shows how black text looks on a background with the XYZ color 28.1987, 12.6850, 95.5699.



This preview shows how white text looks on a background with the XYZ color 28.1987, 12.6850,

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

28.1987, 12.6850, 95.5699

Protanopia

15.0542, 12.8612, 58.1889

Deuteranopia

12.4902, 12.7565, 41.8483



Tritanopia

12.1937, 12.7384, 16.0034

Trichromacy



Original Color

28.1987, 12.6850, 95.5699



Protanomaly

16.4586, 9.9412, 70.1586



Deuteranomaly

14.2994, 9.4712, 57.5744



Tritanomaly

15.1167, 10.2090, 34.8920

Monochromacy



Original Color

28.1987, 12.6850, 95.5699



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.3943, 7.3380, 26.4070

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1987, 12.6850, 95.5699 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(135, 14, 255)` looks like.

```
.text, #text, p{  
    color:rgb(135, 14, 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(135, 14, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 14, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.1987, 12.6850, 95.5699 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(135, 14, 255) }
```


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

```
.border{ border-color:rgb(135, 14, 255) }
```

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

Here you see how a box with a 4 pixel rgb(135, 14, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 14, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 14, 255);  
box-shadow:4px 4px 4px 4px rgb(135, 14,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1987, 12.6850, 95.5699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 14, 255) }
```

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

```
.background{ background-color: rgb(135, 14,  
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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