

Converting Colors

XYZ(28.1891, 12.8795, 95.6080)

Have a look what the booklet for
XYZ(28.1891, 12.8795, 95.6080)
contains.

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Color

**XYZ(28.1684, 12.8622,
95.6057)**

Conversions

Conversions Part 1

Format	Color
Hex	8616FF
RGB	134, 22, 255
RGB Percent	53%, 9%, 100%
CMY	0.4745, 0.9137, 0.0000
CMYK	0.47, 0.91, 0.00, 0.00
HSL	269°, 100%, 54%
HSV	269°, 91%, 100%
XYZ	28.1684, 12.8622, 95.6057
YIQ	82.0500, -8.0410, 96.2070

Conversions

Conversions Part 2

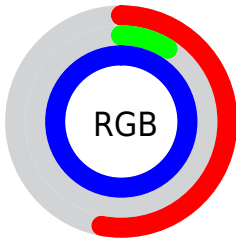
Format	Color
RYB	134, 22, 255
Decimal	8787711
CIELab	42.55, 80.97, -90.56
CIElCh	43, 121.476, 311.799
Yxy	12.8622, 0.2062, 0.0941
Android (android.graphics.Color)	4286977791 (0xFF8616FF)
YUV	82.0500, 85.2643, 45.5602
Hunter-Lab	35.8639, 77.4365, -132.9500

Details

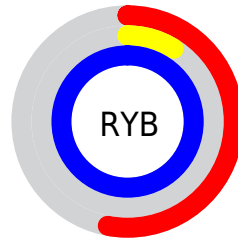
The XYZ color **28.1684, 12.8622, 95.6057** is a dark color, and the websafe version is hex **9900FF**. The color can be described as middle washed purple. A complement of this color would be **47.2312, 77.4169, 13.2125**, and the grayscale version is **7.8665, 8.2762, 9.0127**.

A 20% lighter version of the original color is **44.8170, 26.5725, 97.3746**, and **12.2580, 5.1550, 53.1723** is the 20% darker color. If you saturate the color by 10%, you get **26.1587, 11.4002, 95.4295**, and if you desaturate by 10%, it is **31.1635, 15.5189, 95.9607**.

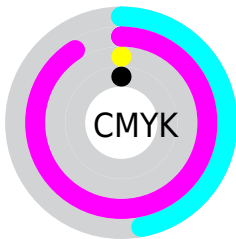
Distribution



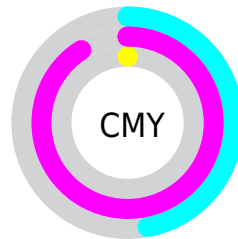
- Red (53%)
- Green (9%)
- Blue (100%)



- Red (53%)
- Yellow (9%)
- Blue (100%)



- Cyan (47%)
- Magenta (91%)
- Yellow (0%)
- Black (0%)





- Cyan (47%)
- Magenta (91%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.1684, 12.8622, 95.6057 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 28.1684, 12.8622, 95.6057 by changing the saturation by 10% instead.


 28.1684, 12.8622,
95.6057


 28.1684, 12.8622,
95.6057


285.3362,
210.0326, 567.1360


 18.5937, 7.3337,
72.0395


 56.1600, 31.0560,
157.1039


 11.4794, 3.6717,
52.7039

 75.3076, 44.4901,
195.8730

 6.4599, 1.4916,
37.1804

 98.3769, 61.3282,
240.5469

 3.1700, 0.2828,
25.0503

 125.7332, 81.9547,
291.5440

 1.2443, 0.0000,
15.8952

 157.7420,
106.7540, 349.2829

 0.1409, 0.0000,
9.2965

 194.7685,

 0.0000, 0.0000,

136.1105, 414.1822

4.8356

237.1781,
170.4086, 486.6604

■ 0.0000, 0.0000,
2.0941

■ 0.0000, 0.0000,
0.6122

■ 28.1684, 12.8622,
95.6057

■ 28.1684, 12.8622,
95.6057

■ 26.1587, 11.4002,
95.4295

■ 31.1635, 15.5189,
95.9607

■ 35.0275, 19.5088,
96.5272

■ 39.8600, 25.0165,
97.3356

■ 45.7441, 32.1960,
98.4112

■ 52.7530, 41.1815,
99.7762

■ 60.9525, 52.0934,
101.4502

■ 70.4030, 65.0412,
103.4513

■ 81.1603, 80.1260,
105.7960

■ 93.2768, 97.4423,
108.4998

Harmonies

Analogous

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



16.2015, 12.8622, 144.6595



28.1684, 12.8622, 95.6057



37.8294, 12.8622, 36.4733

Triad

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



28.1684, 12.8622, 95.6057



18.6091, 12.8622, 0.0000



1.8084, 12.8622, 27.0940

Complementary

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



28.1684, 12.8622, 95.6057



47.2312, 77.4169, 13.2125

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.



1.9549, 12.8622, 3.4054



28.1684, 12.8622, 95.6057



8.9592, 12.8622, 0.0000

Square

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



28.1684, 12.8622, 95.6057



30.6707, 12.8622, 0.0000



3.8305, 12.8622, 0.0000



3.2227, 12.8622, 81.9473

Rectangle

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



28.1684, 12.8622, 95.6057



39.7169, 12.8622, 12.4768



3.8305, 12.8622, 0.0000



1.7084, 12.8622, 15.6526

Sweetspot

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



28.1692, 12.8625, 95.6058



64.9284, 57.4995, 102.2842



28.7007, 28.0303, 98.5054



13.2285, 11.3967, 21.7525



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.



28.1692, 12.8625, 95.6058



26.1587, 11.4002, 95.4295



56.7769, 27.6103, 96.9446



17.8339, 17.8061, 22.7469



13.8388, 6.0447, 49.8719



1.4728, 0.6532, 4.8617

Inverse Universe

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



46.4842, 23.8167, 28.1307



45.4335, 22.9374, 24.0128



36.4334, 71.8504, 12.7072



18.4033, 18.1446, 20.7409



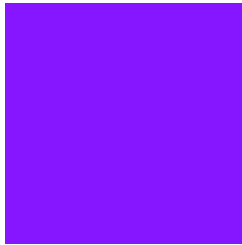
23.8159, 12.0157, 12.9471



2.3741, 1.1920, 1.5515

Previews

White Background



This preview shows how the XYZ color 28.1684, 12.8622, 95.6057 looks on a white background.

Color Contrast Check

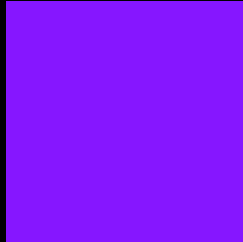
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1684, 12.8622, 95.6057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

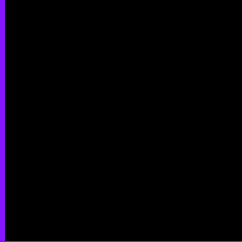
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.1684, 12.8622, 95.6057

Background



This preview shows how black text looks on a background with the XYZ color 28.1684, 12.8622, 95.6057.



This preview shows how white text looks on a background with the XYZ color 28.1684, 12.8622,

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

28.1684, 12.8622, 95.6057

Protanopia

15.1738, 12.9090, 58.8187

Deuteranopia

12.6882, 12.9958, 42.3971



Tritanopia

12.2379, 12.8983, 16.3126

Trichromacy



Original Color

28.1684, 12.8622, 95.6057

Protanomaly

16.7761, 10.3610, 70.9277

Deuteranomaly

14.6145, 9.9102, 58.2693

Tritanomaly

15.2694, 10.5584, 35.4156

Monochromacy



Original Color

28.1684, 12.8622, 95.6057

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

12.0935, 8.0428, 27.7031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.1684, 12.8622, 95.6057 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, 22, 255)` looks like.

```
.text, #text, p{  
    color:rgb(134, 22, 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, 22, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 22, 255) }
```

Border

The CSS property to change the border of an element to XYZ 28.1684, 12.8622, 95.6057 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, 22, 255) }
```


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

```
.border{ border-color:rgb(134, 22, 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, 22, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 22, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 22, 255);  
box-shadow:4px 4px 4px 4px rgb(134, 22,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 28.1684, 12.8622, 95.6057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 22, 255) }
```

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

```
.background{ background-color: rgb(134, 22,  
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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