

# Converting Colors

XYZ(26.8683, 12.9329, 95.6879)

Have a look what the booklet for  
XYZ(26.8683, 12.9329, 95.6879)  
contains.

<b>XYZ(26.8690, 12.9435, 95.6899)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(26.8690, 12.9435,  
95.6899)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A29FF
RGB	122, 41, 255
RGB Percent	48%, 16%, 100%
CMY	0.5215, 0.8392, 0.0000
CMYK	0.52, 0.84, 0.00, 0.00
HSL	263°, 100%, 58%
HSV	263°, 84%, 100%
XYZ	26.8690, 12.9435, 95.6899
YIQ	89.6150, -20.4180, 83.7260

# Conversions

## Conversions Part 2

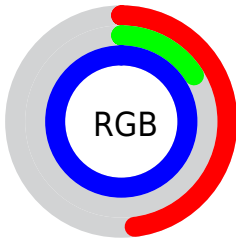
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	122, 41, 255
Decimal	8006143
CIE Lab	42.68, 75.23, -90.40
CIE LCh	43, 117.610, 309.766
Yxy	12.9435, 0.1983, 0.0955
Android (android.graphics.Color)	4286196223 (0xFF7A29FF)
YUV	89.6150, 81.5348, 28.4016
Hunter-Lab	35.9771, 70.3505, -132.5124

# Details

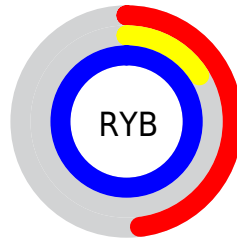
The XYZ color **26.8690, 12.9435, 95.6899** is a dark color, and the websafe version is hex **6633FF**. The color can be described as middle washed purple. A complement of this color would be **53.6139, 80.6778, 14.8442**, and the grayscale version is **9.4601, 9.9528, 10.8386**.

A 20% lighter version of the original color is **42.8569, 26.7734, 97.5167**, and **11.2503, 4.6356, 53.1251** is the 20% darker color. If you saturate the color by 10%, you get **24.1907, 10.6498, 95.3884**, and if you desaturate by 10%, it is **30.4844, 16.5656, 96.1985**.

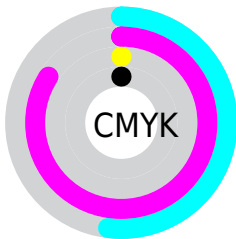
# Distribution



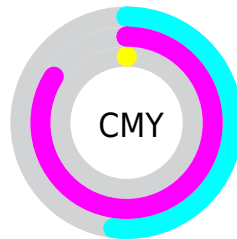
- Red (48%)
- Green (16%)
- Blue (100%)



- Red (48%)
- Yellow (16%)
- Blue (100%)



- Cyan (52%)
- Magenta (84%)
- Yellow (0%)
- Black (0%)




- Cyan (52%)
- Magenta (84%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8690, 12.9435, 95.6899 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 26.8690, 12.9435, 95.6899 by changing the saturation by 10% instead.




 26.8690, 12.9435,  
95.6899


 26.8690, 12.9435,  
95.6899


279.2014,  
210.5553, 567.4119

 17.6109, 7.3897,  
72.1093


 54.0950, 31.2022,  
157.2212


 10.7690, 3.7070,  
52.7605


 72.7936, 44.6759,  
196.0088


 5.9779, 1.5110,  
37.2252


 95.3697, 61.5583,  
240.7026

 2.8722, 0.2965,  
25.0848

 122.1888, 82.2339,  
291.7211

 1.0865, 0.0000,  
15.9206

 153.6162,  
107.0870, 349.4827

 0.0138, 0.0000,  
9.3143

 190.0171,

 0.0000, 0.0000,

136.5019, 414.4060

4.8471

231.7571,  
170.8632, 486.9096

■ 0.0000, 0.0000,  
2.1007

■ 0.0000, 0.0000,  
0.6162

■ 26.8690, 12.9435,  
95.6899

■ 26.8690, 12.9435,  
95.6899

■ 24.1907, 10.6498,  
95.3884

■ 30.4844, 16.5656,  
96.1985

■ 22.9296, 9.7355,  
95.2784

■ 35.1465, 21.7146,  
96.9467

■ 40.9494, 28.5546,  
97.9611

■ 47.9752, 37.2278,  
99.2649

■ 56.2973, 47.8605,  
100.8786

■ 65.9832, 60.5680,  
102.8209

■ 77.0952, 75.4562,  
105.1089

■ 89.6917, 92.6235,  
107.7586

■ 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.



15.4490, 12.9435, 139.2190



26.8690, 12.9435, 95.6899



36.4529, 12.9435, 38.8435

# Triad

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



26.8690, 12.9435, 95.6899



19.2439, 12.9435, 0.0000



1.9559, 12.9435, 24.1821

# Complementary

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



26.8690, 12.9435, 95.6899



53.6139, 80.6778, 14.8442

# 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.



2.2035, 12.9435, 3.0128



26.8690, 12.9435, 95.6899



9.6150, 12.9435, 0.0000

# Square

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



26.8690, 12.9435, 95.6899



30.7713, 12.9435, 0.0000



4.2662, 12.9435, 0.0000



3.2640, 12.9435, 74.7053



# Rectangle

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



26.8690, 12.9435, 95.6899



38.6815, 12.9435, 14.2953



4.2662, 12.9435, 0.0000



1.8839, 12.9435, 13.8932

# Sweetspot

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



26.8698, 12.9438, 95.6899



64.8720, 59.0957, 102.5952



34.5943, 38.9513, 100.3028



13.1342, 11.6587, 21.8081



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.



26.8698, 12.9438, 95.6899



22.9296, 9.7355, 95.2784



50.3533, 25.0500, 96.7890



17.6528, 17.7127, 22.7384



12.1336, 5.1656, 49.7921



1.2981, 0.5631, 4.8535



# Inverse Universe

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



49.6720, 25.9014, 42.4215



47.4523, 23.7449, 34.6435



38.6523, 72.9648, 14.1441



18.4841, 18.1769, 21.1662



24.8698, 12.4372, 18.4967

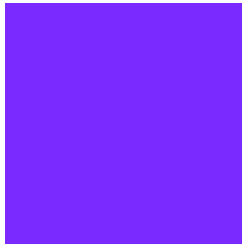


2.4747, 1.2322, 2.0810



# Previews

## White Background



This preview shows how the XYZ color 26.8690, 12.9435, 95.6899 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

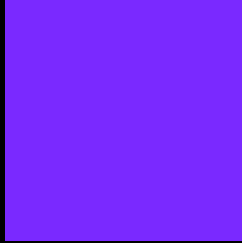
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.8690, 12.9435, 95.6899 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

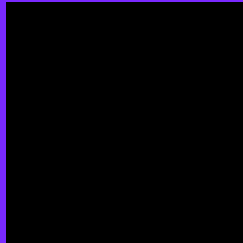
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 26.8690, 12.9435, 95.6899**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8690, 12.9435, 95.6899.



This preview shows how white text looks on a background with the XYZ color 26.8690, 12.9435,



# 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

26.8690, 12.9435, 95.6899

### Protanopia

15.1738, 12.9090, 58.8187

### Deuteranopia

12.5881, 12.7956, 42.3638



## Tritanopia

11.1741, 12.9151, 17.5267

# Trichromacy



## Original Color

26.8690, 12.9435, 95.6899



## Protanomaly

17.0119, 11.1709, 71.0716



## Deuteranomaly

14.8065, 10.6324, 58.3986



## Tritanomaly

14.4249, 11.1309, 36.9855

# Monochromacy



## Original Color

26.8690, 12.9435, 95.6899



## Achromatopsia

9.7181, 10.2242, 11.1341



## Achromatomaly

13.3019, 9.6615, 30.0179

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8690, 12.9435, 95.6899 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(122, 41, 255)` looks like.

```
.text, #text, p{  
    color:rgb(122, 41, 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(122, 41, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 41, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8690, 12.9435, 95.6899 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(122, 41, 255) }
```



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

```
.border{ border-color:rgb(122, 41, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 41, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 41, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 41, 255);  
box-shadow:4px 4px 4px 4px rgb(122, 41,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8690, 12.9435, 95.6899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 41, 255) }
```

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

```
.background{ background-color: rgb(122, 41,  
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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