

Converting Colors

XYZ(28.7269, 13.3412, 71.9287)

Have a look what the booklet for
XYZ(28.7269, 13.3412, 71.9287)
contains.

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Color

**XYZ(28.6239, 13.2986,
71.5792)**

Conversions

Conversions Part 1

Format	Color
Hex	A306E0
RGB	163, 6, 224
RGB Percent	64%, 2%, 88%
CMY	0.3608, 0.9764, 0.1216
CMYK	0.27, 0.97, 0.00, 0.12
HSL	283°, 95%, 45%
HSV	283°, 97%, 88%
XYZ	28.6239, 13.2986, 71.5792
YIQ	77.7950, 23.5940, 101.0820

Conversions

Conversions Part 2

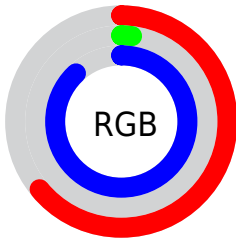
Format	Color
RYB	163, 6, 224
Decimal	10684128
CIELab	43.21, 79.93, -71.82
CIELCh	43, 107.455, 318.061
Yxy	13.2986, 0.2522, 0.1172
Android (android.graphics.Color)	4288874208 (0xFFA306E0)
YUV	77.7950, 72.0791, 74.7248
Hunter-Lab	36.4672, 76.2907, -90.8494

Details

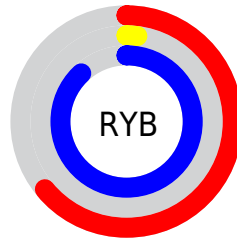
The XYZ color **28.6239, 13.2986, 71.5792** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **29.0038, 54.5181, 9.1669**, and the grayscale version is **7.0699, 7.4381, 8.1001**.

A 20% lighter version of the original color is **51.9711, 29.8874, 97.6374**, and **12.5686, 5.6736, 36.9919** is the 20% darker color. If you saturate the color by 10%, you get **28.2174, 12.9924, 71.5418**, and if you desaturate by 10%, it is **30.2999, 14.6968, 71.7610**.

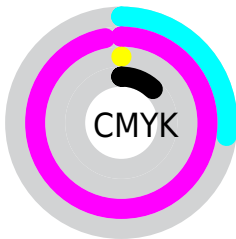
Distribution



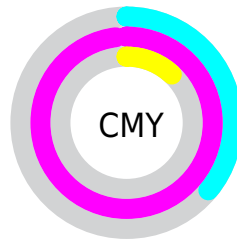
- Red (64%)
- Green (2%)
- Blue (88%)



- Red (64%)
- Yellow (2%)
- Blue (88%)



- Cyan (27%)
- Magenta (97%)
- Yellow (0%)
- Black (12%)




- Cyan (36%)
- Magenta (98%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6239, 13.2986, 71.5792 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 28.6239, 13.2986, 71.5792 by changing the saturation by 10% instead.

 28.6239, 13.2986,
71.5792


 28.6239, 13.2986,
71.5792


287.4626,
212.8226, 485.0137

 18.9393, 7.6345,
52.3303


 56.8807, 31.8392,
123.1602


 11.7302, 3.8620,
36.8843


 76.1837, 45.4845,
156.3294


 6.6311, 1.5967,
24.8229


 99.4235, 62.5589,
194.9757

 3.2768, 0.3553,
15.7273

 126.9655, 83.4469,
239.5178

 1.3018, 0.0000,
9.1791

 159.1750,
108.5329, 290.3740

 0.1845, 0.0000,
4.7598

 196.4175,

 0.0000, 0.0000,

138.2013, 347.9631

2.0508

239.0582,
172.8363, 412.7035

■ 0.0000, 0.0000,
0.5862

■ 0.0000, 0.0000,
0.0000

■ 28.6239, 13.2986,
71.5792

■ 28.6239, 13.2986,
71.5792

■ 28.2174, 12.9924,
71.5418

■ 30.2999, 14.6968,
71.7610

■ 32.4303, 16.9091,
72.0757

■ 35.0965, 20.0958,
72.5503

■ 38.3591, 24.3770,
73.2047

■ 42.2700, 29.8552,
74.0560

■ 46.8751, 36.6210,
75.1192

■ 52.2157, 44.7559,
76.4079

■ 58.3300, 54.3348,
77.9346

■ 65.2530, 65.4270,
79.7107

Harmonies

Analogous

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



18.2639, 13.2986, 115.9666



28.6239, 13.2986, 71.5792



35.5782, 13.2986, 26.1483

Triad

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



28.6239, 13.2986, 71.5792



16.2388, 13.2986, 0.0000



2.7262, 13.2986, 33.7850

Complementary

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



28.6239, 13.2986, 71.5792



29.0038, 54.5181, 9.1669

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.



2.5706, 13.2986, 6.9310



28.6239, 13.2986, 71.5792



8.3081, 13.2986, 0.0000

Square

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



28.6239, 13.2986, 71.5792



26.5947, 13.2986, 0.0000



4.0950, 13.2986, 0.1876



4.6904, 13.2986, 82.0739

Rectangle

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



28.6239, 13.2986, 71.5792



35.9536, 13.2986, 8.9680



4.0950, 13.2986, 0.1876



2.5062, 13.2986, 21.8846

Sweetspot

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



28.6246, 13.2991, 71.5795



68.6168, 57.8326, 102.1541



15.5832, 9.5274, 71.5389



14.0191, 11.3585, 21.7035



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.



28.6246, 13.2991, 71.5795



37.7327, 17.3668, 95.9711



38.7185, 19.1429, 43.1284



13.9016, 13.7328, 17.3057



16.5418, 7.6229, 41.6479



1.2323, 0.5726, 2.8908

Inverse Universe

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



31.8191, 16.3831, 6.7962



42.3887, 21.7195, 7.9789



27.3791, 53.6095, 12.3018



13.8641, 13.7633, 15.0544



18.4525, 9.4480, 3.7827



1.3165, 0.6699, 0.4598

Previews

White Background



This preview shows how the XYZ color 28.6239, 13.2986, 71.5792 looks on a white background.

Color Contrast Check

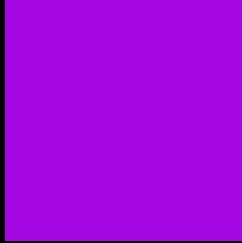
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6239, 13.2986, 71.5792 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 28.6239, 13.2986, 71.5792

Background



This preview shows how black text looks on a background with the XYZ color 28.6239, 13.2986, 71.5792.



This preview shows how white text looks on a background with the XYZ color 28.6239, 13.2986,

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

28.6239, 13.2986, 71.5792

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.7013, 13.7270, 46.7272



Tritanopia

16.6654, 13.5384, 12.3245

Trichromacy



Original Color

28.6239, 13.2986, 71.5792



Protanomaly

16.0176, 9.7325, 65.3243



Deuteranomaly

14.1868, 9.3873, 54.4903



Tritanomaly

18.8985, 11.4332, 26.4101

Monochromacy



Original Color

28.6239, 13.2986, 71.5792



Achromatopsia

7.2414, 7.6185, 8.2966



Achromatomaly

11.6314, 7.3459, 22.2776

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6239, 13.2986, 71.5792 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(163, 6, 224)` looks like.

```
.text, #text, p{  
    color:rgb(163, 6, 224)  
}
```

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(163, 6, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 6, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.6239, 13.2986, 71.5792 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(163, 6, 224) }
```


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

```
.border{ border-color:rgb(163, 6, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 6, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 6, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 6, 224);  
box-shadow:4px 4px 4px 4px rgb(163, 6,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6239, 13.2986, 71.5792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 6, 224) }
```

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

```
.background{ background-color: rgb(163, 6,  
224) }
```

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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