

Converting Colors

XYZ(28.6281, 13.1725, 72.9856)

Have a look what the booklet for
XYZ(28.6281, 13.1725, 72.9856)
contains.

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Color

**XYZ(28.6278, 13.1724,
72.9852)**

Conversions

Conversions Part 1	
Format	Color
Hex	A200E2
RGB	162, 0, 226
RGB Percent	64%, 0%, 89%
CMY	0.3647, 1.0000, 0.1137
CMYK	0.28, 1.00, 0.00, 0.11
HSL	283°, 100%, 44%
HSV	283°, 100%, 89%
XYZ	28.6278, 13.1724, 72.9852
YIQ	74.2020, 24.0060, 104.6300

Conversions

Conversions Part 2

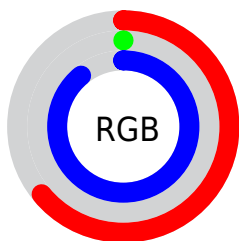
Format	Color
RYB	162, 0, 226
Decimal	10617058
CIELab	43.02, 80.76, -73.27
CIELCh	43, 109.043, 317.782
Yxy	13.1724, 0.2494, 0.1148
Android (android.graphics.Color)	4288807138 (0xFFA200E2)
YUV	74.2020, 74.8364, 76.9988
Hunter-Lab	36.2938, 77.2830, -93.8239

Details

The XYZ color **28.6278, 13.1724, 72.9852** 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 **29.3111, 55.4831, 9.1646**, and the grayscale version is **6.4143, 6.7483, 7.3489**.

A 20% lighter version of the original color is **51.5020, 29.4052, 97.5691**, and **12.6409, 5.6894, 37.9680** is the 20% darker color. If you saturate the color by 10%, you get **28.6281, 13.1725, 72.9855**, and if you desaturate by 10%, it is **30.2606, 14.4574, 73.1474**.

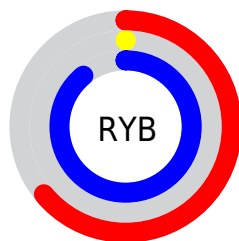
Distribution



Red (64%)

Green (0%)

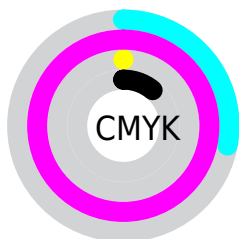
Blue (89%)



Red (64%)

Yellow (0%)

Blue (89%)

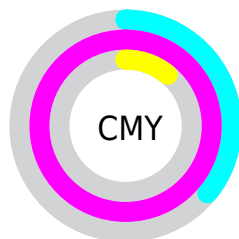


Cyan (28%)

Magenta (100%)

Yellow (0%)

Black (11%)



Cyan (36%)

Magenta (100%)


Yellow (11%)


Brightness & Saturation

Gradients


These gradients show how the XYZ color 28.6278, 13.1724, 72.9852 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 28.6278, 13.1724, 72.9852 by changing the saturation by 10% instead.


 28.6278, 13.1724,
72.9852


 28.6278, 13.1724,
72.9852


287.4807,
212.0196, 490.0329


 18.9423, 7.5474,
53.4721

 56.8869, 31.6132,
125.1769


 11.7324, 3.8067,
37.7895


 76.1912, 45.1977,
158.6926

 6.6326, 1.5660,
25.5188


 99.4324, 62.2042,
197.7130

 3.2777, 0.3345,
16.2415

 126.9760, 83.0170,
242.6565

 1.3023, 0.0000,
9.5390

 159.1873,
108.0205, 293.9417

 0.1849, 0.0000,
4.9928

 196.4316,

 0.0000, 0.0000,

137.5992, 351.9871

2.1844

239.0743,
172.1375, 417.2114

0.0000, 0.0000,
0.6653

0.0000, 0.0000,
0.0000

28.6278, 13.1724,
72.9852

28.6278, 13.1724,
72.9852

28.6281, 13.1725,
72.9855

30.2606, 14.4574,
73.1474

32.3088, 16.4748,
73.4289

34.8866, 19.4502,
73.8673

38.0594, 23.5131,
74.4843

41.8822, 28.7725,
75.2980

46.4035, 35.3236,
76.3242

51.6667, 43.2523,
77.5772

57.7115, 52.6367,
79.0700

64.5747, 63.5490,
80.8145

Harmonies

Analogous

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



18.1081, 13.1724, 118.2793



28.6278, 13.1724, 72.9852



35.7658, 13.1724, 26.4802

Triad

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



28.6278, 13.1724, 72.9852



16.2455, 13.1724, 0.0000



2.5957, 13.1724, 33.5334

Complementary

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



28.6278, 13.1724, 72.9852



29.3111, 55.4831, 9.1646

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.



2.4566, 13.1724, 6.6304



28.6278, 13.1724, 72.9852



8.2189, 13.1724, 0.0000

Square

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



28.6278, 13.1724, 72.9852



26.7525, 13.1724, 0.0000



3.9814, 13.1724, 0.0632



4.5188, 13.1724, 82.7537

Rectangle

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



28.6278, 13.1724, 72.9852



36.2033, 13.1724, 8.9616



3.9814, 13.1724, 0.0632



2.3842, 13.1724, 21.5349

Sweetspot

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



28.6285, 13.1729, 72.9855



67.7843, 56.6405, 101.9678



15.5632, 9.1621, 72.9000



13.8556, 11.1310, 21.6682



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.



28.6285, 13.1729, 72.9855



37.5282, 17.2614, 95.9616



39.3035, 19.3447, 43.2757



13.8970, 13.7304, 17.3055



16.4540, 7.5777, 41.6438



1.2268, 0.5698, 2.8906

Inverse Universe

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



32.2897, 16.5392, 6.3416



42.4166, 21.7306, 8.1259



27.7503, 54.6145, 11.9817



13.8660, 13.7640, 15.0645



18.4652, 9.4531, 3.8493



1.3176, 0.6703, 0.4655

Previews

White Background



This preview shows how the XYZ color 28.6278, 13.1724, 72.9852 looks on a white background.

Color Contrast Check

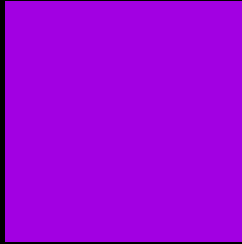
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6278, 13.1724, 72.9852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

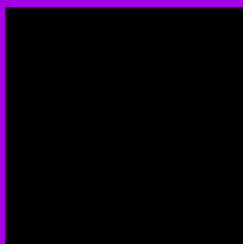
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6278, 13.1724, 72.9852

Background



This preview shows how black text looks on a background with the XYZ color 28.6278, 13.1724, 72.9852.



This preview shows how white text looks on a background with the XYZ color 28.6278, 13.1724,

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

28.6278, 13.1724, 72.9852

Protanopia

16.1900, 13.7675, 62.7769

Deuteranopia

13.7013, 13.7270, 46.7272



Tritanopia

16.3705, 13.3811, 12.5465

Trichromacy



Original Color
28.6278, 13.1724, 72.9852

Protanomaly
16.0317, 9.5545, 65.9650

Deuteranomaly
14.1196, 9.0676, 55.0389

Tritanomaly
18.5848, 11.1074, 27.1510

Monochromacy



Original Color
28.6278, 13.1724, 72.9852

Achromatopsia
6.5089, 6.8478, 7.4573

Achromatomaly
10.9228, 6.6822, 21.4830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6278, 13.1724, 72.9852 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(162, 0, 226) looks like.

```
.text, #text, p{  
    color:rgb(162, 0, 226)  
}
```

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(162, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 28.6278, 13.1724, 72.9852 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(162, 0, 226) }
```

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

```
.border{ border-color:rgb(162, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(162, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(162, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6278, 13.1724, 72.9852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 0, 226) }
```

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

```
.background{ background-color: rgb(162, 0,  
226) }
```

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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