

Converting Colors

XYZ(28.7055, 13.6683, 71.4973)

Have a look what the booklet for
XYZ(28.7055, 13.6683, 71.4973)
contains.

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Color

**XYZ(28.6417, 13.6370,
71.6436)**

Conversions

Conversions Part 1

Format	Color
Hex	A216E0
RGB	162, 22, 224
RGB Percent	64%, 9%, 88%
CMY	0.3647, 0.9137, 0.1216
CMYK	0.28, 0.90, 0.00, 0.12
HSL	282°, 82%, 48%
HSV	282°, 90%, 88%
XYZ	28.6417, 13.6370, 71.6436
YIQ	86.8880, 18.5980, 92.5020

Conversions

Conversions Part 2

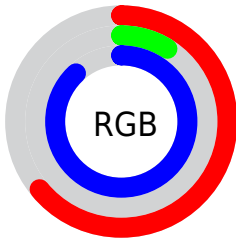
Format	Color
R _Y B	162, 22, 224
Decimal	10622688
CIE Lab	43.71, 77.85, -71.01
CIE LCh	44, 105.374, 317.632
Yxy	13.6370, 0.2514, 0.1197
Android (android.graphics.Color)	4288812768 (0xFFA216E0)
YUV	86.8880, 67.5962, 65.8732
Hunter-Lab	36.9283, 73.8206, -89.1771

Details

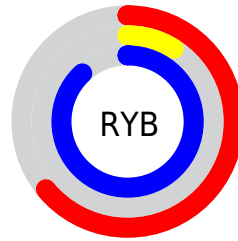
The XYZ color **28.6417, 13.6370, 71.6436** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **30.4569, 55.2543, 9.8192**, and the grayscale version is **8.8927, 9.3559, 10.1885**.

A 20% lighter version of the original color is **52.0886, 30.5783, 97.7646**, and **12.5686, 5.6736, 36.9919** is the 20% darker color. If you saturate the color by 10%, you get **27.0200, 12.3751, 71.4858**, and if you desaturate by 10%, it is **30.7064, 15.6350, 71.9207**.

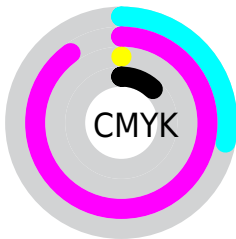
Distribution



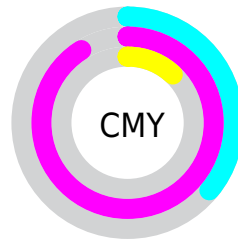
- Red (64%)
- Green (9%)
- Blue (88%)



- Red (64%)
- Yellow (9%)
- Blue (88%)



- Cyan (28%)
- Magenta (90%)
- Yellow (0%)
- Black (12%)





- Cyan (36%)
- Magenta (91%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6417, 13.6370, 71.6436 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 28.6417, 13.6370, 71.6436 by changing the saturation by 10% instead.

 28.6417, 13.6370,
71.6436


 28.6417, 13.6370,
71.6436


287.5454,
214.9607, 485.2443

 18.9529, 7.8686,
52.3825


 56.9088, 32.4435,
123.2527


 11.7400, 4.0110,
36.9257


 76.2178, 46.2505,
156.4378


 6.6378, 1.6797,
24.8547


 99.4643, 63.5058,
195.1013

 3.2810, 0.4105,
15.7508

 127.0135, 84.5938,
239.6618

 1.3040, 0.0000,
9.1955

 159.2309,
109.8989, 290.5378

 0.1862, 0.0000,
4.7704

 196.4818,

 0.0000, 0.0000,

139.8055, 348.1479

2.0568

239.1315,
174.6980, 412.9105

■ 0.0000, 0.0000,
0.5899

■ 0.0000, 0.0000,
0.0000

■ 28.6417, 13.6370,
71.6436

■ 28.6417, 13.6370,
71.6436

■ 27.0200, 12.3751,
71.4858

■ 30.7064, 15.6350,
71.9207

■ 33.2988, 18.5743,
72.3514

■ 36.4841, 22.5824,
72.9572

■ 40.3165, 27.7664,
73.7558

■ 44.8438, 34.2198,
74.7628

■ 50.1088, 42.0269,
75.9922

■ 56.1505, 51.2643,
77.4568

■ 63.0054, 62.0029,
79.1683

■ 70.7071, 74.3088,
81.1376

Harmonies

Analogous

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



18.4069, 13.6370, 114.4768



28.6417, 13.6370, 71.6436



35.5618, 13.6370, 26.9121

Triad

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



28.6417, 13.6370, 71.6436



16.6794, 13.6370, 0.0000



2.9391, 13.6370, 33.3847

Complementary

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



28.6417, 13.6370, 71.6436



30.4569, 55.2543, 9.8192

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.



2.8006, 13.6370, 7.0669



28.6417, 13.6370, 71.6436



8.7124, 13.6370, 0.0000

Square

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



28.6417, 13.6370, 71.6436



26.9230, 13.6370, 0.0000



4.3982, 13.6370, 0.3040



4.9207, 13.6370, 80.4365

Rectangle

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



28.6417, 13.6370, 71.6436



36.0114, 13.6370, 9.5785



4.3982, 13.6370, 0.3040



2.7191, 13.6370, 21.7648

Sweetspot

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



28.6424, 13.6375, 71.6439



69.5290, 59.8712, 102.4995



17.1109, 12.2032, 71.9749



14.3147, 11.9566, 21.8033



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.



28.6424, 13.6375, 71.6439



36.1209, 16.5359, 95.8957



39.9938, 20.0078, 48.7496



13.8643, 13.7136, 17.3039



15.8500, 7.2663, 41.6155



1.1887, 0.5501, 2.8888

Inverse Universe

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



32.6279, 17.0615, 9.9614



42.6247, 21.8139, 9.2217



27.7771, 53.7983, 13.0628



13.8796, 13.7695, 15.1361



18.5591, 9.4907, 4.3442



1.3256, 0.6735, 0.5072

Previews

White Background



This preview shows how the XYZ color 28.6417, 13.6370, 71.6436 looks on a white background.

Color Contrast Check

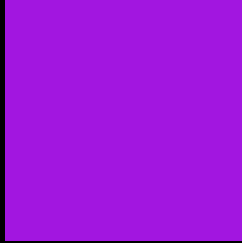
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6417, 13.6370, 71.6436 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

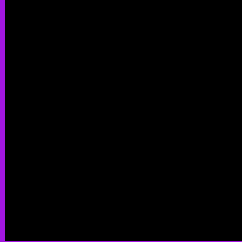
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6417, 13.6370, 71.6436

Background



This preview shows how black text looks on a background with the XYZ color 28.6417, 13.6370, 71.6436.



This preview shows how white text looks on a background with the XYZ color 28.6417, 13.6370,

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

28.6417, 13.6370, 71.6436

Protanopia

16.5373, 14.0608, 64.1298

Deuteranopia

13.9094, 13.9761, 47.3119



Tritanopia

16.6682, 13.6520, 12.8229

Trichromacy



Original Color

28.6417, 13.6370, 71.6436



Protanomaly

16.5157, 10.5224, 66.1263



Deuteranomaly

14.6969, 10.2222, 55.2313



Tritanomaly

19.2426, 12.1533, 27.3182

Monochromacy



Original Color

28.6417, 13.6370, 71.6436



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

13.2323, 8.9386, 24.6948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6417, 13.6370, 71.6436 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, 22, 224)` looks like.

```
.text, #text, p{  
    color:rgb(162, 22, 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(162, 22, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 22, 224) }
```

Border

The CSS property to change the border of an element to XYZ 28.6417, 13.6370, 71.6436 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, 22, 224) }
```


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

```
.border{ border-color:rgb(162, 22, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 22, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 22, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 22, 224);  
box-shadow:4px 4px 4px 4px rgb(162, 22,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6417, 13.6370, 71.6436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 22, 224) }
```

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

```
.background{ background-color: rgb(162, 22,  
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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