

Converting Colors

XYZ(28.5963, 13.4473, 59.8318)

Have a look what the booklet for
XYZ(28.5963, 13.4473, 59.8318)
contains.

XYZ(28.7180, 13.5037, 60.1243)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.7180, 13.5037,
60.1243)**

Conversions

Conversions Part 1

Format	Color
Hex	AE00CF
RGB	174, 0, 207
RGB Percent	68%, 0%, 81%
CMY	0.3176, 0.9999, 0.1882
CMYK	0.16, 1.00, 0.00, 0.19
HSL	290°, 100%, 41%
HSV	290°, 100%, 81%
XYZ	28.7180, 13.5037, 60.1243
YIQ	75.6240, 37.2570, 101.2650

Conversions

Conversions Part 2

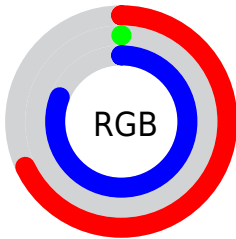
Format	Color
RYB	174, 0, 207
Decimal	11403471
CIELab	43.51, 78.99, -61.47
CIELCh	44, 100.094, 322.109
Yxy	13.5037, 0.2806, 0.1319
Android (android.graphics.Color)	4289593551 (0xFFAE00CF)
YUV	75.6240, 64.7684, 86.2758
Hunter-Lab	36.7474, 75.1895, -71.2843

Details

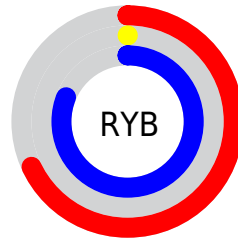
The XYZ color **28.7180, 13.5037, 60.1243** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **22.9407, 44.9494, 7.4675**, and the grayscale version is **6.6843, 7.0324, 7.6583**.

A 20% lighter version of the original color is **55.3899, 31.5288, 97.7740**, and **12.7884, 5.9474, 29.7521** is the 20% darker color. If you saturate the color by 10%, you get **28.7178, 13.5036, 60.1245**, and if you desaturate by 10%, it is **29.7258, 14.4136, 60.2470**.

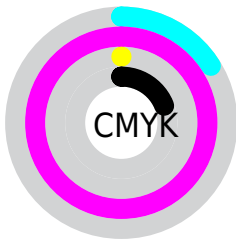
Distribution



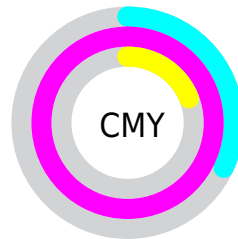
- Red (68%)
- Green (0%)
- Blue (81%)



- Red (68%)
- Yellow (0%)
- Blue (81%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)





- Cyan (32%)
- Magenta (100%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7180, 13.5037, 60.1243 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 28.7180, 13.5037, 60.1243 by changing the saturation by 10% instead.


 28.7180, 13.5037,
60.1243

 28.7180, 13.5037,
60.1243


287.9003,
214.1211, 442.8731


 19.0108, 7.7763,
43.0929


 57.0294, 32.2058,
106.5551


 11.7821, 3.9521,
29.6261


 76.3643, 45.9493,
136.7916

 6.6666, 1.6468,
19.3053


 99.6392, 63.1336,
172.2668

 3.2990, 0.3889,
11.7120

 127.2194, 84.1431,
213.3993

 1.3138, 0.0000,
6.4278

 159.4702,
109.3622, 260.6076

 0.1935, 0.0000,
3.0339

 196.7571,

 0.0000, 0.0000,

139.1753, 314.3104

1.1120

239.4454,
173.9668, 374.9260

■ 0.0000, 0.0000,
0.0000

■ 28.7180, 13.5037,
60.1243

■ 28.7180, 13.5037,
60.1243

■ 28.7178, 13.5036,
60.1245

■ 29.7258, 14.4136,
60.2470

■ 31.0328, 15.8956,
60.4642

■ 32.7353, 18.1413,
60.8079

■ 34.8849, 21.2540,
61.2954

■ 37.5253, 25.3207,
61.9412

■ 40.6949, 30.4181,
62.7581

■ 44.4282, 36.6148,
63.7574

■ 48.7565, 43.9735,
64.9497

■ 53.7089, 52.5522,
66.3445

Harmonies

Analogous

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



19.3608, 13.5037, 101.4512



28.7180, 13.5037, 60.1243



34.2103, 13.5037, 21.4369

Triad

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



28.7180, 13.5037, 60.1243



15.0100, 13.5037, 0.0000



3.3408, 13.5037, 37.5719

Complementary

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



28.7180, 13.5037, 60.1243



22.9407, 44.9494, 7.4675

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.



2.9636, 13.5037, 9.5518



28.7180, 13.5037, 60.1243



7.9699, 13.5037, 0.0000

Square

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



28.7180, 13.5037, 60.1243



24.4502, 13.5037, 0.0000



4.2543, 13.5037, 0.9472



5.6421, 13.5037, 81.5120

Rectangle

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



28.7180, 13.5037, 60.1243



33.8424, 13.5037, 7.3979



4.2543, 13.5037, 0.9472



3.0365, 13.5037, 25.7028

Sweetspot

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



28.7186, 13.5043, 60.1246



70.9646, 58.2799, 102.1167



11.8496, 5.6788, 59.5032



14.6217, 11.5259, 21.7040



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.



28.7186, 13.5043, 60.1246



45.8827, 21.5683, 96.3525



30.3203, 15.1010, 25.3638



12.1180, 11.9097, 14.9038



18.1602, 8.5422, 37.8842



1.0662, 0.5038, 2.1206

Inverse Universe

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



26.0071, 13.3757, 2.6511



41.6342, 21.4177, 4.0059



23.3876, 45.0557, 13.0961



11.8845, 11.8385, 12.6676



16.4083, 8.4362, 1.7902



0.9421, 0.4816, 0.2301

Previews

White Background



This preview shows how the XYZ color 28.7180, 13.5037, 60.1243 looks on a white background.

Color Contrast Check

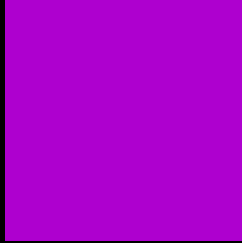
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7180, 13.5037, 60.1243 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

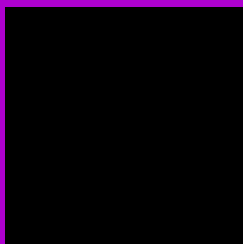
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7180, 13.5037, 60.1243

Background



This preview shows how black text looks on a background with the XYZ color 28.7180, 13.5037, 60.1243.



This preview shows how white text looks on a background with the XYZ color 28.7180, 13.5037,

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

28.7180, 13.5037, 60.1243

Protanopia

16.6639, 14.1115, 64.7963

Deuteranopia

14.3348, 14.1462, 49.5519



Tritanopia

18.7633, 13.8421, 10.6997

Trichromacy



Original Color

28.7180, 13.5037, 60.1243



Protanomaly

15.6412, 9.4267, 62.6232



Deuteranomaly

13.9673, 9.1311, 52.6561



Tritanomaly

20.6346, 11.9872, 22.6989

Monochromacy



Original Color

28.7180, 13.5037, 60.1243



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.3771, 7.0139, 19.8230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7180, 13.5037, 60.1243 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(174, 0, 207)` looks like.

```
.text, #text, p{  
    color:rgb(174, 0, 207)  
}
```

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(174, 0, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 0, 207) }
```

Border

The CSS property to change the border of an element to XYZ 28.7180, 13.5037, 60.1243 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(174, 0, 207) }
```


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

```
.border{ border-color:rgb(174, 0, 207) }
```

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

Here you see how a box with a 4 pixel rgb(174, 0, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 0, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 0, 207);  
box-shadow:4px 4px 4px 4px rgb(174, 0,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7180, 13.5037, 60.1243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 0, 207) }
```

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

```
.background{ background-color: rgb(174, 0,  
207) }
```

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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