

Converting Colors

XYZ(27.6442, 11.5949, 57.1269)

Have a look what the booklet for
XYZ(27.6442, 11.5949, 57.1269)
contains.

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Color

**XYZ(28.6840, 13.5419,
57.6019)**

Conversions

Conversions Part 1

Format	Color
Hex	B000CB
RGB	176, 0, 203
RGB Percent	69%, 0%, 80%
CMY	0.3098, 0.9999, 0.2039
CMYK	0.13, 1.00, 0.00, 0.20
HSL	292°, 100%, 40%
HSV	292°, 100%, 80%
XYZ	28.6840, 13.5419, 57.6019
YIQ	75.7660, 39.7330, 100.4450

Conversions

Conversions Part 2

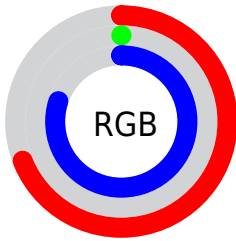
Format	Color
RYB	176, 0, 203
Decimal	11534539
CIELab	43.57, 78.62, -59.05
CIElCh	44, 98.325, 323.090
Yxy	13.5419, 0.2873, 0.1357
Android (android.graphics.Color)	4289724619 (0xFFB000CB)
YUV	75.7660, 62.7264, 87.9052
Hunter-Lab	36.7993, 74.7367, -67.0470

Details

The XYZ color **28.6840, 13.5419, 57.6019** 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 **21.8084, 42.9452, 7.1403**, and the grayscale version is **6.7129, 7.0625, 7.6910**.

A 20% lighter version of the original color is **56.0503, 31.8693, 97.8049**, and **12.8165, 5.9897, 28.4976** is the 20% darker color. If you saturate the color by 10%, you get **28.6840, 13.5419, 57.6021**, and if you desaturate by 10%, it is **29.5569, 14.3715, 57.7162**.

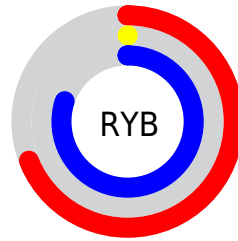
Distribution



Red (69%)

Green (0%)

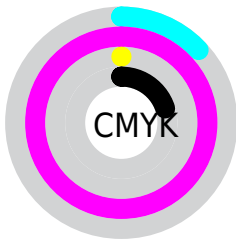
Blue (80%)



Red (69%)

Yellow (0%)

Blue (80%)

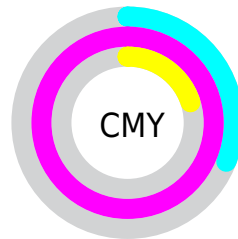


Cyan (13%)

Magenta (100%)

Yellow (0%)

Black (20%)



Cyan (31%)


Magenta (100%)


Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6840, 13.5419, 57.6019 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 28.6840, 13.5419, 57.6019 by changing the saturation by 10% instead.

 28.6840, 13.5419,
57.6019


 28.6840, 13.5419,
57.6019


287.7422,
214.3620, 433.2576


 18.9850, 7.8027,
41.0761


 56.9757, 32.2740,
102.8519

 11.7634, 3.9690,
28.0584


 76.2991, 46.0357,
132.4133

 6.6538, 1.6562,
18.1303


 99.5613, 63.2403,
167.1569

 3.2909, 0.3951,
10.8731

 127.1277, 84.2724,
207.5013

 1.3094, 0.0000,
5.8685

 159.3636,
109.5161, 253.8650

 0.1903, 0.0000,
2.6978

 196.6344,

 0.0000, 0.0000,

139.3561, 306.6666

0.9423

239.3055,
174.1766, 366.3246

■ 0.0000, 0.0000,
0.0000

■ 28.6840, 13.5419,
57.6019

■ 28.6840, 13.5419,
57.6019

■ 28.6840, 13.5419,
57.6021

■ 29.5569, 14.3715,
57.7162

■ 30.7097, 15.7436,
57.9203

■ 32.2353, 17.8432,
58.2452

■ 34.1831, 20.7685,
58.7072

■ 36.5944, 24.6026,
59.3201

■ 39.5058, 29.4183,
60.0962

■ 42.9500, 35.2811,
61.0463

■ 46.9570, 42.2507,
62.1804

■ 51.5545, 50.3823,
63.5076

Harmonies

Analogous

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



19.5847, 13.5419, 98.0776



28.6840, 13.5419, 57.6019



33.8381, 13.5419, 20.4490

Triad

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



28.6840, 13.5419, 57.6019



14.7333, 13.5419, 0.0000



3.4979, 13.5419, 38.3687

Complementary

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



28.6840, 13.5419, 57.6019



21.8084, 42.9452, 7.1403

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.



3.0652, 13.5419, 10.2143



28.6840, 13.5419, 57.6019



7.8994, 13.5419, 0.0000

Square

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



28.6840, 13.5419, 57.6019



23.9503, 13.5419, 0.0000



4.2987, 13.5419, 1.1323



5.8766, 13.5419, 81.1389

Rectangle

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



28.6840, 13.5419, 57.6019



33.3135, 13.5419, 7.0830



4.2987, 13.5419, 1.1323



3.1728, 13.5419, 26.5658

Sweetspot

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



28.6846, 13.5425, 57.6022



71.6652, 58.6412, 102.1494



11.1735, 5.0994, 56.8955



14.7913, 11.6134, 21.7120



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.



28.6846, 13.5425, 57.6022



47.8942, 22.6053, 96.4467



28.5629, 14.2705, 21.8692



11.5351, 11.3252, 14.1484



18.3100, 8.6467, 36.6602



0.9863, 0.4676, 1.8932

Inverse Universe

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



24.8268, 12.7761, 2.1952



41.5275, 21.3750, 3.4441



22.6072, 43.2125, 13.7064



11.2721, 11.2376, 11.9673



15.8188, 8.1381, 1.4984



0.8365, 0.4280, 0.1846

Previews

White Background



This preview shows how the XYZ color 28.6840, 13.5419, 57.6019 looks on a white background.

Color Contrast Check

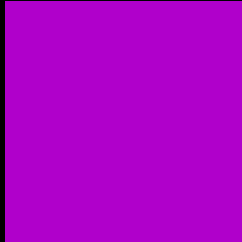
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6840, 13.5419, 57.6019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

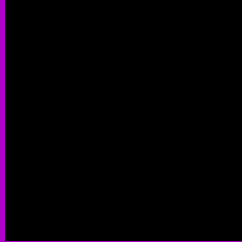
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.6840, 13.5419, 57.6019

Background



This preview shows how black text looks on a background with the XYZ color 28.6840, 13.5419, 57.6019.



This preview shows how white text looks on a background with the XYZ color 28.6840, 13.5419,

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

28.6840, 13.5419, 57.6019

Protanopia

16.7913, 14.1624, 65.4669

Deuteranopia

14.4430, 14.1895, 50.1217



Tritanopia

19.2063, 13.9703, 10.2786

Trichromacy



Original Color

28.6840, 13.5419, 57.6019



Protanomaly

15.5806, 9.4099, 61.9679



Deuteranomaly

13.9191, 9.1193, 52.0655



Tritanomaly

20.8060, 12.0332, 21.6481

Monochromacy



Original Color

28.6840, 13.5419, 57.6019



Achromatopsia

6.8694, 7.2272, 7.8704



Achromatomaly

11.2519, 6.9638, 19.1635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6840, 13.5419, 57.6019 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(176, 0, 203)` looks like.

```
.text, #text, p{  
    color:rgb(176, 0, 203)  
}
```

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(176, 0, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 0, 203) }
```

Border

The CSS property to change the border of an element to XYZ 28.6840, 13.5419, 57.6019 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(176, 0, 203) }
```


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

```
.border{ border-color:rgb(176, 0, 203) }
```

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

Here you see how a box with a 4 pixel rgb(176, 0, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 0, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 0, 203);  
box-shadow:4px 4px 4px 4px rgb(176, 0,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6840, 13.5419, 57.6019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 0, 203) }
```

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

```
.background{ background-color: rgb(176, 0,  
203) }
```

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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