

Converting Colors

XYZ(28.8072, 18.7582, 59.8600)

Have a look what the booklet for
XYZ(28.8072, 18.7582, 59.8600)
contains.

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Color

**XYZ(28.8072, 18.7582,
59.8600)**

Conversions

Conversions Part 1

Format	Color
Hex	9F58CD
RGB	159, 88, 205
RGB Percent	62%, 35%, 80%
CMY	0.3765, 0.6549, 0.1961
CMYK	0.22, 0.57, 0.00, 0.20
HSL	276°, 54%, 57%
HSV	276°, 57%, 80%
XYZ	28.8072, 18.7582, 59.8600
YIQ	122.5670, 4.7590, 51.4390

Conversions

Conversions Part 2

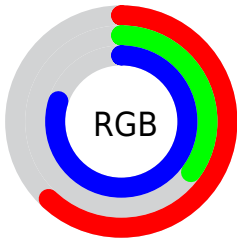
Format	Color
R_{YB}	159, 88, 205
Decimal	10442957
CIE _{Lab}	50.40, 49.64, -49.35
CIE _{LCh}	50, 69.998, 315.166
Yxy	18.7582, 0.2682, 0.1746
Android (android.graphics.Color)	4288633037 (0xFF9F58CD)
YUV	122.5670, 40.6395, 31.9517
Hunter-Lab	43.3107, 42.9316, -51.6275

Details

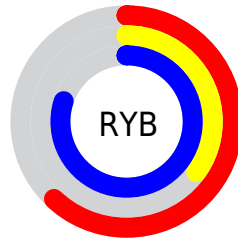
The XYZ color **28.8072, 18.7582, 59.8600** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **33.4249, 49.4360, 17.0137**, and the grayscale version is **18.5548, 19.5211, 21.2585**.

A 20% lighter version of the original color is **55.8938, 40.8687, 99.5503**, and **11.8448, 6.4068, 29.4665** is the 20% darker color. If you saturate the color by 10%, you get **25.8085, 15.0560, 59.3038**, and if you desaturate by 10%, it is **32.3847, 23.4617, 60.5796**.

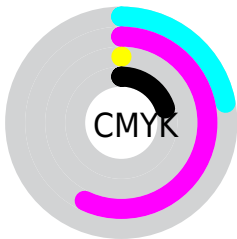
Distribution



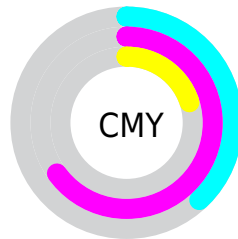
- Red (62%)
- Green (35%)
- Blue (80%)



- Red (62%)
- Yellow (35%)
- Blue (80%)



- Cyan (22%)
- Magenta (57%)
- Yellow (0%)
- Black (20%)



- Cyan (38%)
- Magenta (65%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8072, 18.7582, 59.8600 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 28.8072, 18.7582, 59.8600 by changing the saturation by 10% instead.

■ 28.8072, 18.7582,
59.8600

■ 28.8072, 18.7582,
59.8600

288.3148,
245.1106, 441.8718

■ 19.0786, 11.4957,
42.8812

■ 57.1703, 41.3251,
106.1679

■ 11.8314, 6.4013,
29.4612

■ 76.5355, 57.3983,
136.3342

■ 6.7004, 3.0906,
19.1814

■ 99.8436, 77.1772,
171.7334

■ 3.3201, 1.1792,
11.6233

■ 127.4599,
101.0461, 212.7840

■ 1.3252, 0.0446,
6.3683

159.7498,
129.3896, 259.9046

■ 0.2020, 0.0000,
2.9979

197.0787,

■ 0.0000, 0.0000,

162.5919, 313.5138

1.0936

239.8119,
201.0374, 374.0300

■ 0.0000, 0.0000,
0.0000

■ 28.8072, 18.7582,
59.8600

■ 28.8072, 18.7582,
59.8600

■ 25.8085, 15.0560,
59.3038

■ 32.3847, 23.4617,
60.5796

■ 23.3435, 12.2702,
58.8960

■ 36.5767, 29.2373,
61.4735

■ 21.3633, 10.3053,
58.6211

■ 41.4184, 36.1519,
62.5530

■ 19.8018, 9.0319,
58.4576

■ 46.9415, 44.2663,
63.8281

■ 19.3900, 8.7229,
58.4197

■ 53.1754, 53.6366,
65.3082

■ 60.1478, 64.3156,
67.0020

■ 67.8846, 76.3529,
68.9176

■ 76.4108, 89.7954,
71.0629

■ 79.9091, 93.0068,
71.4984

Harmonies

Analogous

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



21.4748, 18.7582, 82.1166



28.8072, 18.7582, 59.8600



33.6990, 18.7582, 31.5955

Triad

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



28.8072, 18.7582, 59.8600



21.3922, 18.7582, 1.3972



7.9494, 18.7582, 31.8764

Complementary

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



28.8072, 18.7582, 59.8600



33.4249, 49.4360, 17.0137

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.



7.9380, 18.7582, 12.2562



28.8072, 18.7582, 59.8600



14.6213, 18.7582, 1.4066

Square

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



28.8072, 18.7582, 59.8600



28.7336, 18.7582, 3.7118



10.0686, 18.7582, 3.7611



10.1052, 18.7582, 60.1745

Rectangle

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



28.8072, 18.7582, 59.8600



34.2876, 18.7582, 17.2337



10.0686, 18.7582, 3.7611



7.7169, 18.7582, 23.9866

Sweetspot

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



28.8080, 18.7589, 59.8604



76.7514, 72.3018, 104.5181



23.6807, 23.7555, 61.0951



16.0148, 14.8630, 22.2747



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.



28.8080, 18.7589, 59.8604



41.4882, 23.7373, 97.0028



38.3262, 23.8229, 53.2065



11.2440, 11.1751, 14.1348



12.1803, 5.4867, 36.3733



0.7121, 0.3262, 1.8804

Inverse Universe

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



32.9702, 21.6805, 25.0021



49.7141, 29.4292, 31.8190



28.1422, 46.6521, 19.5029



11.3919, 11.2855, 12.5985



16.6325, 8.4636, 5.7833



0.8951, 0.4514, 0.4933

Previews

White Background



This preview shows how the XYZ color 28.8072, 18.7582, 59.8600 looks on a white background.

Color Contrast Check

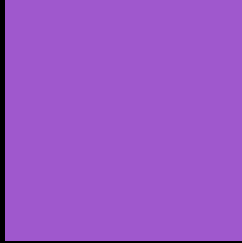
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 28.8072, 18.7582, 59.8600 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

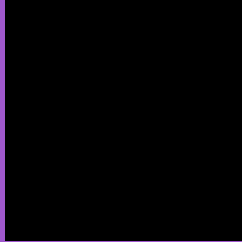
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8072, 18.7582, 59.8600

Background



This preview shows how black text looks on a background with the XYZ color 28.8072, 18.7582, 59.8600.



This preview shows how white text looks on a background with the XYZ color 28.8072, 18.7582,

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

28.8072, 18.7582, 59.8600

Protanopia

22.3186, 19.0778, 79.5969

Deuteranopia

19.6720, 19.1004, 56.6827



Tritanopia

20.6913, 18.7205, 19.9756

Trichromacy



Original Color

28.8072, 18.7582, 59.8600

Protanomaly

22.6898, 17.8094, 72.0537

Deuteranomaly

21.4907, 17.9791, 57.5960

Tritanomaly

22.9329, 18.3865, 31.1944

Monochromacy



Original Color

28.8072, 18.7582, 59.8600

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

21.4790, 18.6860, 32.6117

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8072, 18.7582, 59.8600 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(159, 88, 205)` looks like.

```
.text, #text, p{  
    color:rgb(159, 88, 205)  
}
```

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(159, 88, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 88, 205) }
```

Border

The CSS property to change the border of an element to XYZ 28.8072, 18.7582, 59.8600 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(159, 88, 205) }
```


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

```
.border{ border-color:rgb(159, 88, 205) }
```

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

Here you see how a box with a 4 pixel rgb(159, 88, 205) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 88, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 88, 205);  
box-shadow:4px 4px 4px 4px rgb(159, 88,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8072, 18.7582, 59.8600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 88, 205) }
```

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

```
.background{ background-color: rgb(159, 88,  
205) }
```

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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