

Converting Colors

XYZ(28.7162, 18.1660, 62.9600)

Have a look what the booklet for
XYZ(28.7162, 18.1660, 62.9600)
contains.

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Color

**XYZ(28.7078, 18.1619,
62.9653)**

Conversions

Conversions Part 1

Format	Color
Hex	9D54D2
RGB	157, 84, 210
RGB Percent	62%, 33%, 82%
CMY	0.3843, 0.6706, 0.1765
CMYK	0.25, 0.60, 0.00, 0.18
HSL	275°, 58%, 58%
HSV	275°, 60%, 82%
XYZ	28.7078, 18.1619, 62.9653
YIQ	120.1910, 3.0620, 54.6620

Conversions

Conversions Part 2

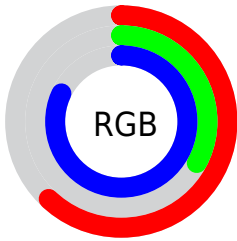
Format	Color
RYB	157, 84, 210
Decimal	10310866
CIELab	49.69, 52.32, -53.36
CIELCh	50, 74.732, 314.433
Yxy	18.1619, 0.2614, 0.1654
Android (android.graphics.Color)	4288500946 (0xFF9D54D2)
YUV	120.1910, 44.2758, 32.2815
Hunter-Lab	42.6168, 45.6630, -57.7678

Details

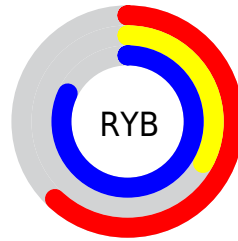
The XYZ color **28.7078, 18.1619, 62.9653** is a light color, and the websafe version is hex **9966CC**. The color can be described as light muted purple. A complement of this color would be **34.9637, 52.0520, 16.5923**, and the grayscale version is **17.7765, 18.7023, 20.3668**.

A 20% lighter version of the original color is **54.7272, 39.4075, 99.3297**, and **11.7732, 6.1132, 31.5698** is the 20% darker color. If you saturate the color by 10%, you get **25.6540, 14.5202, 62.4237**, and if you desaturate by 10%, it is **32.3762, 22.8461, 63.6764**.

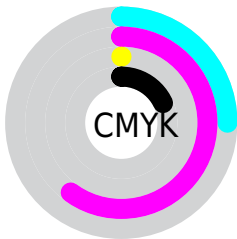
Distribution



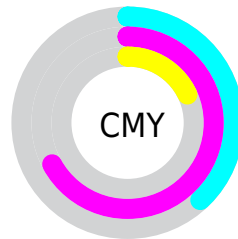
- Red (62%)
- Green (33%)
- Blue (82%)



- Red (62%)
- Yellow (33%)
- Blue (82%)



- Cyan (25%)
- Magenta (60%)
- Yellow (0%)
- Black (18%)




- Cyan (38%)
- Magenta (67%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.7078, 18.1619, 62.9653 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 28.7078, 18.1619, 62.9653 by changing the saturation by 10% instead.

 28.7078, 18.1619,
62.9653


 28.7078, 18.1619,
62.9653


287.8529,
241.7820, 453.5480


 19.0031, 11.0663,
45.3723


 57.0133, 40.3130,
110.7045


 11.7765, 6.1114,
31.4057


 76.3448, 56.1373,
141.6879

 6.6628, 2.9130,
20.6469


 99.6158, 75.6399,
177.9718

 3.2966, 1.0865,
12.6774

 127.1919, 99.2053,
219.9747

 1.3125, 0.0000,
7.0787

 159.4383,
127.2178, 268.1153

 0.1925, 0.0000,
3.4322

196.7203,

 0.0000, 0.0000,

160.0618, 322.8120

1.3193

239.4034,
198.1217, 384.4834

■ 0.0000, 0.0000,
0.0775

■ 0.0000, 0.0000,
0.0000

■ 28.7078, 18.1619,
62.9653

■ 28.7078, 18.1619,
62.9653

■ 25.6540, 14.5202,
62.4237

■ 32.3762, 22.8461,
63.6764

■ 23.1647, 11.8272,
62.0351

■ 36.6991, 28.6513,
64.5691

■ 21.1844, 9.9753,
61.7820

■ 41.7152, 35.6505,
65.6557

■ 19.6123, 8.7667,
61.6316

■ 47.4593, 43.9098,
66.9472

■ 19.6121, 8.7666,
61.6315

■ 53.9639, 53.4905,
68.4536

■ 61.2591, 64.4498,
70.1844

■ 69.3734, 76.8412,
72.1486

■ 78.3340, 90.7157,
74.3543

■ 82.1516, 94.0919,
74.8048

Harmonies

Analogous

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



20.8980, 18.1619, 87.0675



28.7078, 18.1619, 62.9653



34.0603, 18.1619, 32.2504

Triad

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



28.7078, 18.1619, 62.9653



21.1964, 18.1619, 0.9567



7.1207, 18.1619, 31.2241

Complementary

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



28.7078, 18.1619, 62.9653



34.9637, 52.0520, 16.5923

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.



7.1596, 18.1619, 11.0205



28.7078, 18.1619, 62.9653



14.0749, 18.1619, 0.9300

Square

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



28.7078, 18.1619, 62.9653



28.9773, 18.1619, 3.0808



9.3528, 18.1619, 2.9248



9.2262, 18.1619, 61.7864

Rectangle

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



28.7078, 18.1619, 62.9653



34.7899, 18.1619, 16.9015



9.3528, 18.1619, 2.9248



6.9065, 18.1619, 22.9575

Sweetspot

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



28.7086, 18.1626, 62.9657



75.3653, 70.6504, 104.2725



24.4644, 24.8882, 64.4876



15.5309, 14.2471, 22.1814



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.



28.7086, 18.1626, 62.9657



38.6368, 21.2157, 96.6664



40.3625, 24.2882, 58.1903



11.8103, 11.7510, 14.8894



12.0800, 5.4078, 37.5996



0.7649, 0.3485, 2.1065

Inverse Universe

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



34.2644, 21.8490, 26.0786



48.9138, 27.9756, 31.0997



28.6525, 48.7582, 18.1189



12.0121, 11.8896, 13.3394



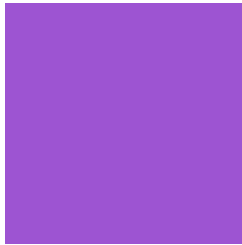
17.3430, 8.8101, 6.7126



1.0089, 0.5083, 0.5819

Previews

White Background



This preview shows how the XYZ color 28.7078, 18.1619, 62.9653 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 28.7078, 18.1619, 62.9653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

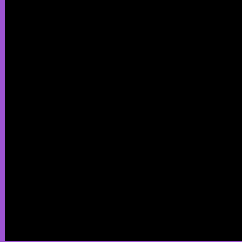
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.7078, 18.1619, 62.9653

Background



This preview shows how black text looks on a background with the XYZ color 28.7078, 18.1619, 62.9653.



This preview shows how white text looks on a background with the XYZ color 28.7078, 18.1619,

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

28.7078, 18.1619, 62.9653

Protanopia

22.1830, 18.5342, 85.6274

Deuteranopia

19.0715, 18.5570, 59.0766



Tritanopia

19.8305, 18.1226, 19.5924

Trichromacy



Original Color

28.7078, 18.1619, 62.9653



Protanomaly

21.6590, 16.7158, 76.9478



Deuteranomaly

20.8119, 17.2469, 60.6246



Tritanomaly

22.2722, 17.7448, 31.5294

Monochromacy



Original Color

28.7078, 18.1619, 62.9653



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

20.6803, 17.8018, 32.4831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7078, 18.1619, 62.9653 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(157, 84, 210)` looks like.

```
.text, #text, p{  
    color:rgb(157, 84, 210)  
}
```

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(157, 84, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 84, 210) }
```

Border

The CSS property to change the border of an element to XYZ 28.7078, 18.1619, 62.9653 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(157, 84, 210) }
```


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

```
.border{ border-color:rgb(157, 84, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 84, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 84, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 84, 210);  
box-shadow:4px 4px 4px 4px rgb(157, 84,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7078, 18.1619, 62.9653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 84, 210) }
```

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

```
.background{ background-color: rgb(157, 84,  
210) }
```

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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