

Converting Colors

XYZ(28.9837, 17.9911, 71.7782)

Have a look what the booklet for
XYZ(28.9837, 17.9911, 71.7782)
contains.

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Color

**XYZ(28.9902, 17.9983,
71.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	9653DF
RGB	150, 83, 223
RGB Percent	59%, 33%, 87%
CMY	0.4118, 0.6745, 0.1255
CMYK	0.33, 0.63, 0.00, 0.13
HSL	269°, 69%, 60%
HSV	269°, 63%, 87%
XYZ	28.9902, 17.9983, 71.7581
YIQ	118.9930, -5.0080, 57.7440

Conversions

Conversions Part 2

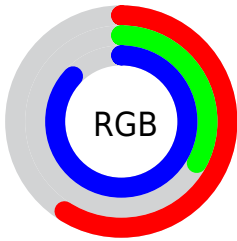
Format	Color
R_{YB}	150, 83, 223
Decimal	9851871
CIE _{Lab}	49.49, 54.27, -61.13
CIE _{LCh}	49, 81.740, 311.598
Yxy	17.9983, 0.2441, 0.1516
Android (android.graphics.Color)	4288041951 (0xFF9653DF)
YUV	118.9930, 51.2755, 27.1931
Hunter-Lab	42.4244, 47.7331, -70.5881

Details

The XYZ color **28.9902, 17.9983, 71.7581** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **41.6595, 60.4681, 17.6599**, and the grayscale version is **17.3773, 18.2823, 19.9094**.

A 20% lighter version of the original color is **52.8666, 38.2382, 99.2021**, and **11.9535, 6.0457, 37.0961** is the 20% darker color. If you saturate the color by 10%, you get **25.5157, 14.0689, 71.1831**, and if you desaturate by 10%, it is **33.2272, 23.1354, 72.5267**.

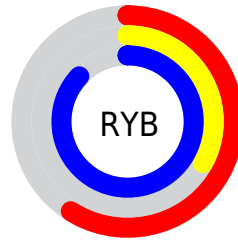
Distribution



Red (59%)

Green (33%)

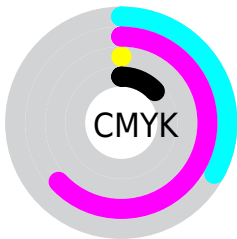
Blue (87%)



Red (59%)

Yellow (33%)

Blue (87%)

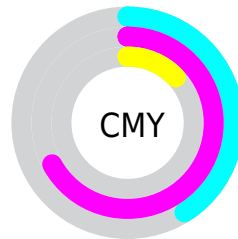


Cyan (33%)

Magenta (63%)

Yellow (0%)

Black (13%)



Cyan (41%)

Magenta (67%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.9902, 17.9983, 71.7581 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 28.9902, 17.9983, 71.7581 by changing the saturation by 10% instead.

■ 28.9902, 17.9983,
71.7581

■ 28.9902, 17.9983,
71.7581

289.1638,
240.8615, 485.6541

■ 19.2177, 10.9488,
52.4755

■ 57.4592, 40.0344,
123.4171

■ 11.9326, 6.0324,
36.9993

■ 76.8863, 55.7898,
156.6305

■ 6.7697, 2.8648,
24.9112

■ 100.2624, 75.2159,
195.3246

■ 3.3635, 1.0616,
15.7925

■ 127.9527, 98.6972,
239.9179

■ 1.3488, 0.0000,
9.2247

■ 160.3226,
126.6180, 290.8289

■ 0.2193, 0.0000,
4.7892

197.7376,

■ 0.0000, 0.0000,

159.3627, 348.4763

2.0676

240.5628,
197.3157, 413.2785

■ 0.0000, 0.0000,
0.5964

■ 0.0000, 0.0000,
0.0000

■ 28.9902, 17.9983,
71.7581

■ 28.9902, 17.9983,
71.7581

■ 25.5157, 14.0689,
71.1831

■ 33.2272, 23.1354,
72.5267

■ 22.7403, 11.2325,
70.7819

■ 38.2775, 29.5763,
73.5037

■ 20.5922, 9.3543,
70.5326

■ 44.1902, 37.4095,
74.7041

■ 19.3496, 8.4365,
70.4209

■ 51.0093, 46.7147,
76.1408

■ 58.7754, 57.5658,
77.8259

■ 67.5267, 70.0314,
79.7708

■ 77.2991, 84.1759,
81.9859

■ 86.0498, 95.9067,
83.7889

■ 90.1914, 98.0418,
83.9827

Harmonies

Analogous

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



20.2716, 17.9983, 97.8327



28.9902, 17.9983, 71.7581



35.4353, 17.9983, 36.3351

Triad

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



28.9902, 17.9983, 71.7581



22.2396, 17.9983, 0.5435



6.2889, 17.9983, 29.4587

Complementary

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



28.9902, 17.9983, 71.7581



41.6595, 60.4681, 17.6599

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.



6.5260, 17.9983, 8.9988



28.9902, 17.9983, 71.7581



14.2899, 17.9983, 0.3680

Square

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



28.9902, 17.9983, 71.7581



30.7990, 17.9983, 2.7463



9.0164, 17.9983, 1.8911



8.2270, 17.9983, 63.6041

Rectangle

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



28.9902, 17.9983, 71.7581



36.6748, 17.9983, 18.4339



9.0164, 17.9983, 1.8911



6.1374, 17.9983, 20.8082

Sweetspot

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



28.9910, 17.9989, 71.7585



72.8028, 68.4075, 103.9746



29.0572, 31.5075, 74.3625



14.9563, 13.7720, 22.1199



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.



28.9910, 17.9989, 71.7585



33.4405, 17.8548, 96.2916



45.4262, 26.4716, 72.5277



13.5730, 13.5634, 17.2903



11.5062, 5.0270, 41.4122



0.9005, 0.4015, 2.8753

Inverse Universe

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



39.5258, 24.2752, 34.0548



49.7125, 27.5599, 37.5716



31.9425, 55.4588, 17.2052



14.0042, 13.8193, 15.7924



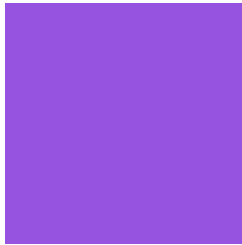
19.8138, 9.9925, 10.9510



1.4186, 0.7107, 0.9970

Previews

White Background



This preview shows how the XYZ color 28.9902, 17.9983, 71.7581 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 28.9902, 17.9983, 71.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

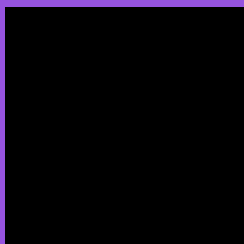
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.9902, 17.9983, 71.7581

Background



This preview shows how black text looks on a background with the XYZ color 28.9902, 17.9983, 71.7581.



This preview shows how white text looks on a background with the XYZ color 28.9902, 17.9983,

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

28.9902, 17.9983, 71.7581

Protanopia

21.7823, 18.1611, 85.5765

Deuteranopia

18.6001, 18.1864, 64.8173



Tritanopia

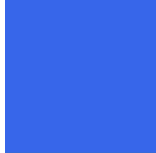
18.6239, 17.9612, 20.8976

Trichromacy



Original Color

28.9902, 17.9983, 71.7581



Protanomaly

21.1782, 16.2555, 79.8633



Deuteranomaly

19.2279, 16.2855, 67.0957



Tritanomaly

21.3259, 17.3243, 35.0208

Monochromacy



Original Color

28.9902, 17.9983, 71.7581



Achromatopsia

17.5343, 18.4475, 20.0893



Achromatomaly

20.4458, 17.4882, 34.1962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9902, 17.9983, 71.7581 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(150, 83, 223)` looks like.

```
.text, #text, p{  
    color:rgb(150, 83, 223)  
}
```

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(150, 83, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 83, 223) }
```

Border

The CSS property to change the border of an element to XYZ 28.9902, 17.9983, 71.7581 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(150, 83, 223) }
```


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

```
.border{ border-color:rgb(150, 83, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 83, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 83, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 83, 223); box-shadow:4px 4px 4px 4px rgb(150, 83, 223) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9902, 17.9983, 71.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 83, 223) }
```

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

```
.background{ background-color: rgb(150, 83,  
223) }
```

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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