

Converting Colors

XYZ(28.7318, 17.0176, 73.6093)

Have a look what the booklet for
XYZ(28.7318, 17.0176, 73.6093)
contains.

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Color

**XYZ(28.7063, 17.0494,
73.7294)**

Conversions

Conversions Part 1

Format	Color
Hex	954CE2
RGB	149, 76, 226
RGB Percent	58%, 30%, 89%
CMY	0.4157, 0.7020, 0.1137
CMYK	0.34, 0.66, 0.00, 0.11
HSL	269°, 72%, 59%
HSV	269°, 66%, 89%
XYZ	28.7063, 17.0494, 73.7294
YIQ	114.9270, -4.6420, 62.1260

Conversions

Conversions Part 2

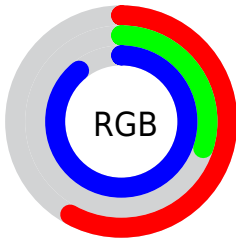
Format	Color
R_{YB}	149, 76, 226
Decimal	9784546
CIE _{Lab}	48.32, 58.22, -64.73
CIE _{LCh}	48, 87.055, 311.969
Yxy	17.0494, 0.2403, 0.1427
Android (android.graphics.Color)	4287974626 (0xFF954CE2)
YUV	114.9270, 54.7590, 29.8820
Hunter-Lab	41.2909, 51.8378, -76.9651

Details

The XYZ color **28.7063, 17.0494, 73.7294** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **41.6377, 61.6870, 16.5500**, and the grayscale version is **16.1148, 16.9540, 18.4629**.

A 20% lighter version of the original color is **51.9127, 36.3304, 98.8841**, and **11.8030, 5.5922, 38.4875** is the 20% darker color. If you saturate the color by 10%, you get **25.4016, 13.4264, 73.2046**, and if you desaturate by 10%, it is **32.7700, 21.8754, 74.4471**.

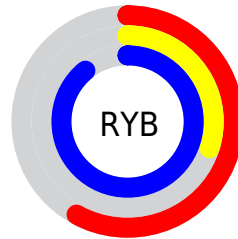
Distribution



Red (58%)

Green (30%)

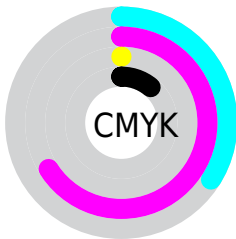
Blue (89%)



Red (58%)

Yellow (30%)

Blue (89%)

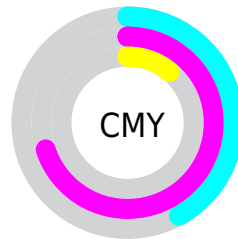


Cyan (34%)

Magenta (66%)

Yellow (0%)

Black (11%)



Cyan (42%)

Magenta (70%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7063, 17.0494, 73.7294 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 28.7063, 17.0494, 73.7294 by changing the saturation by 10% instead.

■ 28.7063, 17.0494,
73.7294

■ 28.7063, 17.0494,
73.7294

287.8459,
235.4569, 492.6773

■ 19.0019, 10.2697,
54.0771

■ 57.0109, 38.4107,
126.2426

■ 11.7757, 5.5782,
38.2697

■ 76.3419, 53.7611,
159.9407

■ 6.6622, 2.5903,
25.8887

■ 99.6124, 72.7372,
199.1578

■ 3.2962, 0.9218,
16.5153

■ 127.1878, 95.7234,
244.3124

■ 1.3123, 0.0000,
9.7313

■ 159.4336,
123.1040, 295.8231

■ 0.1924, 0.0000,
5.1179

196.7149,

■ 0.0000, 0.0000,

155.2636, 354.1085

2.2566

239.3972,
192.5864, 419.5871

■ 0.0000, 0.0000,
0.7068

■ 0.0000, 0.0000,
0.0000

■ 28.7063, 17.0494,
73.7294

■ 28.7063, 17.0494,
73.7294

■ 25.4016, 13.4264,
73.2046

■ 32.7700, 21.8754,
74.4471

■ 22.7873, 10.8812,
72.8511

■ 37.6478, 28.0088,
75.3738

■ 20.7821, 9.2599,
72.6439

■ 43.3916, 35.5440,
76.5256

■ 20.1567, 8.8054,
72.5891

■ 50.0480, 44.5662,
77.9162

■ 57.6600, 55.1536,
79.5586

■ 66.2677, 67.3788,
81.4646

■ 75.9086, 81.3096,
83.6454

■ 86.0408, 95.8549,
85.9189

■ 90.1459, 97.9712,
86.1110

Harmonies

Analogous

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



19.5811, 17.0494, 102.5784



28.7063, 17.0494, 73.7294



35.4851, 17.0494, 35.6502

Triad

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



28.7063, 17.0494, 73.7294



21.4040, 17.0494, 0.0374



5.3893, 17.0494, 29.1858

Complementary

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



28.7063, 17.0494, 73.7294



41.6377, 61.6870, 16.5500

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.



5.5924, 17.0494, 8.0536



28.7063, 17.0494, 73.7294



13.2410, 17.0494, 0.0000

Square

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



28.7063, 17.0494, 73.7294



30.4102, 17.0494, 1.9903



7.9904, 17.0494, 1.3399



7.2989, 17.0494, 65.8304

Rectangle

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



28.7063, 17.0494, 73.7294



36.7488, 17.0494, 17.1021



7.9904, 17.0494, 1.3399



5.2358, 17.0494, 20.1067

Sweetspot

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



28.7071, 17.0500, 73.7298



71.8988, 67.0343, 103.7572



28.1816, 29.9744, 76.2522



14.7846, 13.5074, 22.0779



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.



28.7071, 17.0500, 73.7298



31.8636, 16.0986, 96.0357



46.8980, 26.4277, 74.5811



13.5839, 13.5690, 17.2908



11.6354, 5.0936, 41.4183



0.9096, 0.4062, 2.8757

Inverse Universe

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



39.6984, 23.6378, 32.6067



48.4006, 26.0184, 33.7981



31.6842, 56.5558, 16.0842



13.9995, 13.8174, 15.7673



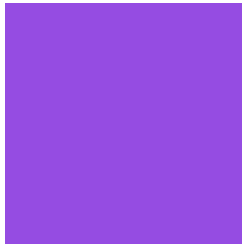
19.7522, 9.9679, 10.6270



1.4143, 0.7090, 0.9747

Previews

White Background



This preview shows how the XYZ color 28.7063, 17.0494, 73.7294 looks on a white background.

Color Contrast Check

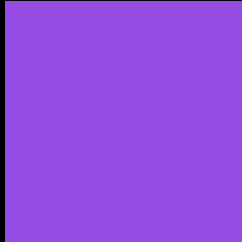
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.7063, 17.0494, 73.7294 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

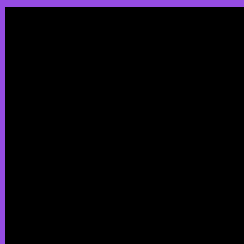
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 28.7063, 17.0494, 73.7294

Background



This preview shows how black text looks on a background with the XYZ color 28.7063, 17.0494, 73.7294.



This preview shows how white text looks on a background with the XYZ color 28.7063, 17.0494,

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

28.7063, 17.0494, 73.7294

Protanopia

20.6798, 17.3670, 80.8595

Deuteranopia

17.3807, 17.1304, 60.1480



Tritanopia

17.7480, 17.0491, 19.4949

Trichromacy



Original Color

28.7063, 17.0494, 73.7294



Protanomaly

20.4545, 15.3458, 78.2279



Deuteranomaly

18.2829, 15.0911, 64.9000



Tritanomaly

20.6068, 16.4039, 33.9785

Monochromacy



Original Color

28.7063, 17.0494, 73.7294



Achromatopsia

16.2955, 17.1441, 18.6699



Achromatomaly

19.3225, 16.1859, 33.1161

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7063, 17.0494, 73.7294 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(149, 76, 226)` looks like.

```
.text, #text, p{  
    color:rgb(149, 76, 226)  
}
```

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(149, 76, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 76, 226) }
```

Border

The CSS property to change the border of an element to XYZ 28.7063, 17.0494, 73.7294 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(149, 76, 226) }
```


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

```
.border{ border-color:rgb(149, 76, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 76, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 76, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 76, 226);  
box-shadow:4px 4px 4px 4px rgb(149, 76,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7063, 17.0494, 73.7294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 76, 226) }
```

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

```
.background{ background-color: rgb(149, 76,  
226) }
```

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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