

Converting Colors

XYZ(27.1721, 17.8866, 74.1348)

Have a look what the booklet for
XYZ(27.1721, 17.8866, 74.1348)
contains.

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Color

**XYZ(27.0565, 17.7899,
73.9593)**

Conversions

Conversions Part 1

Format	Color
Hex	855AE2
RGB	133, 90, 226
RGB Percent	52%, 35%, 89%
CMY	0.4784, 0.6471, 0.1137
CMYK	0.41, 0.60, 0.00, 0.11
HSL	259°, 70%, 62%
HSV	259°, 60%, 89%
XYZ	27.0565, 17.7899, 73.9593
YIQ	118.3610, -18.0280, 51.4120

Conversions

Conversions Part 2

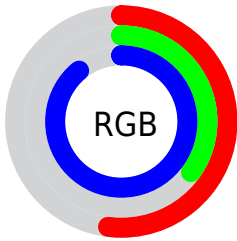
Format	Color
R _Y B	133, 90, 226
Decimal	8739554
CIE Lab	49.24, 47.70, -63.33
CIE LCh	49, 79.284, 306.992
Yxy	17.7899, 0.2277, 0.1497
Android (android.graphics.Color)	4286929634 (0xFF855AE2)
YUV	118.3610, 53.0660, 12.8384
Hunter-Lab	42.1781, 40.6930, -74.4404

Details

The XYZ color **27.0565, 17.7899, 73.9593** 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 **48.5701, 65.1983, 19.6978**, and the grayscale version is **17.1766, 18.0711, 19.6794**.

A 20% lighter version of the original color is **49.2089, 37.6424, 99.2799**, and **10.9503, 5.9840, 38.6081** is the 20% darker color. If you saturate the color by 10%, you get **23.1689, 13.3734, 73.3121**, and if you desaturate by 10%, it is **31.8841, 23.5513, 74.8173**.

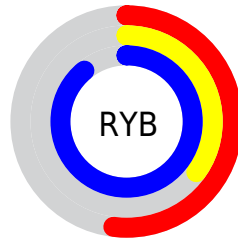
Distribution



Red (52%)

Green (35%)

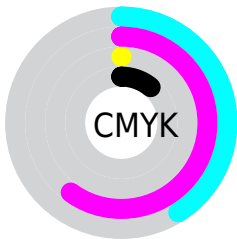
Blue (89%)



Red (52%)

Yellow (35%)

Blue (89%)

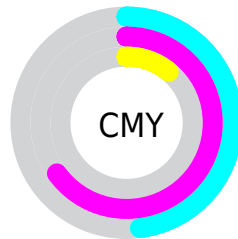


Cyan (41%)

Magenta (60%)

Yellow (0%)

Black (11%)



Cyan (48%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0565, 17.7899, 73.9593 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 27.0565, 17.7899, 73.9593 by changing the saturation by 10% instead.

■ 27.0565, 17.7899,
73.9593

■ 27.0565, 17.7899,
73.9593

280.0931,
239.6841, 493.4925

■ 17.7525, 10.7993,
54.2641

■ 54.3938, 39.6790,
126.5716

■ 10.8710, 5.9320,
38.4183

■ 73.1577, 55.3462,
160.3259

■ 6.0468, 2.8038,
26.0031

■ 95.8057, 74.6745,
199.6036

■ 2.9145, 1.0302,
16.6002

■ 122.7030, 98.0481,
244.8232

■ 1.1087, 0.0000,
9.7909

154.2151,
125.8514, 296.4034

■ 0.0324, 0.0000,
5.1568

190.7072,

■ 0.0000, 0.0000,

158.4690, 354.7627

2.2792

232.5448,
196.2851, 420.3195

■ 0.0000, 0.0000,
0.7195

■ 0.0000, 0.0000,
0.0000

■ 27.0565, 17.7899,
73.9593

■ 27.0565, 17.7899,
73.9593

■ 23.1689, 13.3734,
73.3121

■ 31.8841, 23.5513,
74.8173

■ 20.1487, 10.1831,
72.8555

■ 37.7114, 30.7585,
75.9013

■ 17.9154, 8.0816,
72.5676

■ 44.5957, 39.5046,
77.2266

■ 16.3600, 6.8481,
72.4115

■ 52.5892, 49.8742,
78.8068

61.7404, 61.9457,
80.6546

72.0946, 75.7923,
82.7815

83.6949, 91.4830,
85.1987

90.7275, 98.2710,
86.1383

Harmonies

Analogous

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



18.7101, 17.7899, 95.0997



27.0565, 17.7899, 73.9593



33.7845, 17.7899, 40.1953

Triad

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



27.0565, 17.7899, 73.9593



23.1375, 17.7899, 0.8334



6.3153, 17.7899, 24.7959

Complementary

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



27.0565, 17.7899, 73.9593



48.5701, 65.1983, 19.6978

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.



6.8654, 17.7899, 7.3663



27.0565, 17.7899, 73.9593



15.2269, 17.7899, 0.4337

Square

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



27.0565, 17.7899, 73.9593



31.0974, 17.7899, 3.6996



9.6807, 17.7899, 1.6167



7.8649, 17.7899, 55.9450

Rectangle

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



27.0565, 17.7899, 73.9593



35.5893, 17.7899, 21.6002



9.6807, 17.7899, 1.6167



6.2705, 17.7899, 17.2991

Sweetspot

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



27.0573, 17.7905, 73.9597



71.4958, 68.6556, 104.0914



35.3352, 42.4468, 78.2826



14.5913, 13.7628, 22.1374



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.



27.0573, 17.7905, 73.9597



29.4511, 16.4802, 96.2365



40.8842, 24.9185, 74.6068



13.3579, 13.4525, 17.2802



9.4421, 3.9629, 41.3156



0.7451, 0.3214, 2.8680

Inverse Universe

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



43.5676, 26.9003, 47.6948



53.5907, 29.8463, 55.7276



36.4053, 58.9271, 19.1285



14.1009, 13.8580, 16.3017



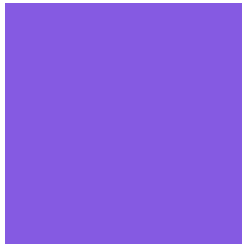
21.3025, 10.5880, 18.7907



1.5166, 0.7499, 1.5132

Previews

White Background



This preview shows how the XYZ color 27.0565, 17.7899, 73.9593 looks on a white background.

Color Contrast Check

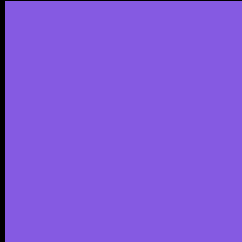
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0565, 17.7899, 73.9593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

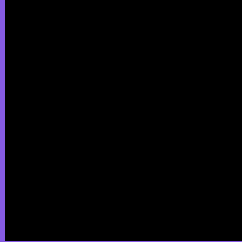
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.0565, 17.7899, 73.9593

Background



This preview shows how black text looks on a background with the XYZ color 27.0565, 17.7899, 73.9593.



This preview shows how white text looks on a background with the XYZ color 27.0565, 17.7899,

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

27.0565, 17.7899, 73.9593

Protanopia

21.4851, 18.0422, 84.0115

Deuteranopia

18.2297, 17.8468, 63.4567



Tritanopia

16.7396, 17.8042, 22.6329

Trichromacy



Original Color

27.0565, 17.7899, 73.9593



Protanomaly

21.1218, 16.6720, 79.9467



Deuteranomaly

18.9762, 16.3114, 67.1140



Tritanomaly

19.4446, 17.2210, 36.9495

Monochromacy



Original Color

27.0565, 17.7899, 73.9593



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

19.6167, 17.3704, 34.2172

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0565, 17.7899, 73.9593 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(133, 90, 226)` looks like.

```
.text, #text, p{  
    color:rgb(133, 90, 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(133, 90, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 90, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.0565, 17.7899, 73.9593 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(133, 90, 226) }
```


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

```
.border{ border-color:rgb(133, 90, 226) }
```

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

Here you see how a box with a 4 pixel rgb(133, 90, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 90, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 90, 226);  
box-shadow:4px 4px 4px 4px rgb(133, 90,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0565, 17.7899, 73.9593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 90, 226) }
```

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

```
.background{ background-color: rgb(133, 90,  
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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