

Converting Colors

XYZ(21.6789, 17.7051, 29.0732)

Have a look what the booklet for
XYZ(21.6789, 17.7051, 29.0732)
contains.

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Color

**XYZ(21.7163, 17.6581,
29.0518)**

Conversions

Conversions Part 1

Format	Color
Hex	926691
RGB	146, 102, 145
RGB Percent	57%, 40%, 57%
CMY	0.4274, 0.6000, 0.4314
CMYK	0.00, 0.30, 0.01, 0.43
HSL	301°, 18%, 49%
HSV	301°, 30%, 57%
XYZ	21.7163, 17.6581, 29.0518
YIQ	120.0580, 12.4210, 22.7010

Conversions

Conversions Part 2

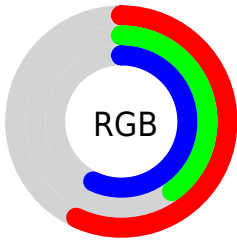
Format	Color
R _Y B	146, 102, 145
Decimal	9594513
CIE Lab	49.08, 25.16, -16.55
CIE LCh	49, 30.114, 326.659
Yxy	17.6581, 0.3174, 0.2581
Android (android.graphics.Color)	4287784593 (0xFF926691)
YUV	120.0580, 12.2964, 22.7511
Hunter-Lab	42.0215, 18.7093, -11.5754

Details

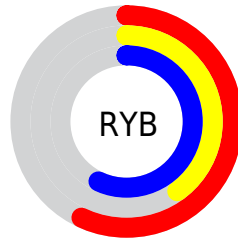
The XYZ color **21.7163, 17.6581, 29.0518** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.2073, 24.3625, 16.5758**, and the grayscale version is **17.8308, 18.7594, 20.4290**.

A 20% lighter version of the original color is **45.9518, 39.6522, 59.2646**, and **8.0589, 5.8794, 11.2998** is the 20% darker color. If you saturate the color by 10%, you get **20.3805, 15.0271, 28.4806**, and if you desaturate by 10%, it is **23.3060, 20.7961, 29.7084**.

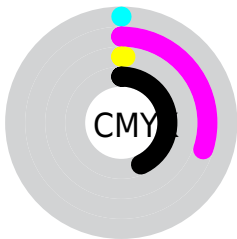
Distribution



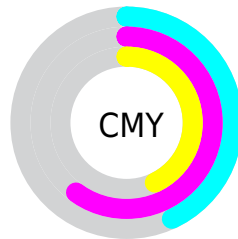
- Red (57%)
- Green (40%)
- Blue (57%)



- Red (57%)
- Yellow (40%)
- Blue (57%)



- Cyan (0%)
- Magenta (30%)
- Yellow (1%)
- Black (43%)



- Cyan (43%)
- Magenta (60%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7163, 17.6581, 29.0518 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 21.7163, 17.6581, 29.0518 by changing the saturation by 10% instead.

■ 21.7163, 17.6581,
29.0518

■ 21.7163, 17.6581,
29.0518

253.7214,
238.9368, 311.5279

■ 13.7640, 10.7048,
18.8741

■ 45.7590, 39.4539,
59.2025

■ 8.0373, 5.8687,
11.4034

■ 62.5801, 55.0651,
80.0127

■ 4.1708, 2.7654,
6.2213

■ 83.0883, 74.3312,
105.2040

■ 1.7992, 1.0105,
2.9092

■ 107.6488, 97.6364,
135.1951

■ 0.5172, 0.0000,
1.0484

136.6270,
125.3651, 170.4045

■ 0.0000, 0.0000,
0.0000

170.3883,

157.9019, 211.2507

209.2980,
195.6310, 258.1523

■ 21.7163, 17.6581,
29.0518

■ 21.7163, 17.6581,
29.0518

■ 20.3805, 15.0271,
28.4806

■ 23.3060, 20.7961,
29.7084

■ 19.2837, 12.8743,
27.9892

■ 25.1602, 24.4634,
30.4534

■ 18.4120, 11.1715,
27.5732

■ 27.2910, 28.6837,
31.2909

■ 17.7493, 9.8866,
27.2273

■ 29.7091, 33.4786,
32.2246

■ 17.2775, 8.9835,
26.9453

■ 32.4249, 38.8686,
33.2578

■ 16.9753, 8.4195,
26.7203

■ 35.4480, 44.8731,
34.3939

■ 16.7880, 8.0846,
26.5356

■ 38.7877, 51.5108,
35.6359

■ 42.4530, 58.7994,
36.9867

■ 46.4523, 66.7560,
38.4493

Harmonies

Analogous

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



19.3275, 17.6581, 36.6451



21.7163, 17.6581, 29.0518



22.7786, 17.6581, 20.1430

Triad

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



21.7163, 17.6581, 29.0518



17.1005, 17.6581, 7.5433



12.4014, 17.6581, 27.0425

Complementary

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



21.7163, 17.6581, 29.0518



18.2073, 24.3625, 16.5758

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.



11.9450, 17.6581, 18.3386



21.7163, 17.6581, 29.0518



14.4732, 17.6581, 8.4449

Square

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



21.7163, 17.6581, 29.0518



19.9331, 17.6581, 8.9770



12.6607, 17.6581, 11.9117



13.9845, 17.6581, 35.2757

Rectangle

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



21.7163, 17.6581, 29.0518



22.5128, 17.6581, 15.1215



12.6607, 17.6581, 11.9117



12.1194, 17.6581, 24.0148

Sweetspot

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



21.7169, 17.6589, 29.0522



44.7216, 43.8223, 53.8560



15.5035, 14.4468, 29.1660



9.8457, 9.5447, 11.9399



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.7169, 17.6589, 29.0522



36.7074, 27.9934, 50.5694



20.1980, 17.0513, 21.0540



6.0297, 5.9069, 7.2624



14.7745, 7.1149, 23.3572



0.1823, 0.0877, 0.2936

Inverse Universe

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



21.7169, 17.6589, 29.0522



36.7074, 27.9934, 50.5694



19.4437, 24.8570, 23.0867



6.0297, 5.9069, 7.2624



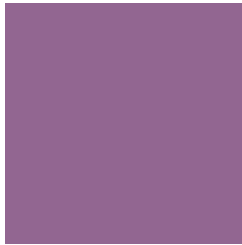
14.7745, 7.1149, 23.3572



0.1823, 0.0877, 0.2936

Previews

White Background



This preview shows how the XYZ color 21.7163, 17.6581, 29.0518 looks on a white background.

Color Contrast Check

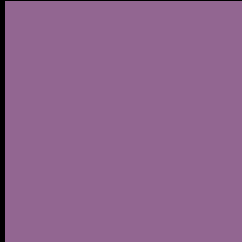
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7163, 17.6581, 29.0518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

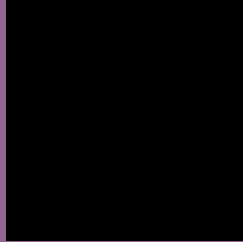
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.7163, 17.6581, 29.0518

Background



This preview shows how black text looks on a background with the XYZ color 21.7163, 17.6581, 29.0518.



This preview shows how white text looks on a background with the XYZ color 21.7163, 17.6581,

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

21.7163, 17.6581, 29.0518

Protanopia

18.1056, 17.9215, 33.5153

Deuteranopia

18.0455, 17.6626, 28.4447



Tritanopia

19.6703, 17.7369, 18.9098

Trichromacy



Original Color

21.7163, 17.6581, 29.0518

Protanomaly

19.1555, 17.6682, 31.6789

Deuteranomaly

19.2142, 17.6011, 28.7702

Tritanomaly

20.3125, 17.6800, 22.4207

Monochromacy



Original Color

21.7163, 17.6581, 29.0518

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.9208, 18.0624, 23.2580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7163, 17.6581, 29.0518 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(146, 102, 145)` looks like.

```
.text, #text, p{  
    color:rgb(146, 102, 145)  
}
```

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(146, 102, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 102, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.7163, 17.6581, 29.0518 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(146, 102, 145) }
```


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

```
.border{ border-color:rgb(146, 102, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 102, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 102, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 102, 145);  
box-shadow:4px 4px 4px 4px rgb(146, 102,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7163, 17.6581, 29.0518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 102, 145) }
```

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

```
.background{ background-color: rgb(146,  
102, 145) }
```

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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