

Converting Colors

XYZ(21.7481, 17.8488, 29.2292)

Have a look what the booklet for
XYZ(21.7481, 17.8488, 29.2292)
contains.

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Color

**XYZ(21.6381, 17.7646,
29.0765)**

Conversions

Conversions Part 1

Format	Color
Hex	916791
RGB	145, 103, 145
RGB Percent	57%, 40%, 57%
CMY	0.4314, 0.5961, 0.4314
CMYK	0.00, 0.29, 0.00, 0.43
HSL	300°, 17%, 49%
HSV	300°, 29%, 57%
XYZ	21.6381, 17.7646, 29.0765
YIQ	120.3460, 11.5500, 21.9660

Conversions

Conversions Part 2

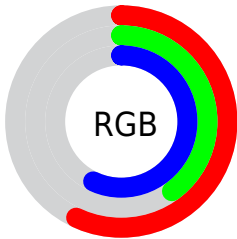
Format	Color
R_{YB}	145, 103, 145
Decimal	9529233
CIE _{Lab}	49.21, 24.23, -16.36
CIE _{LCh}	49, 29.236, 325.966
Yxy	17.7646, 0.3160, 0.2594
Android (android.graphics.Color)	4287719313 (0xFF916791)
YUV	120.3460, 12.1544, 21.6216
Hunter-Lab	42.1481, 17.8797, -11.3985

Details

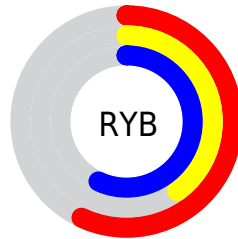
The XYZ color **21.6381, 17.7646, 29.0765** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.1678, 24.1141, 16.5299**, and the grayscale version is **17.9236, 18.8570, 20.5352**.

A 20% lighter version of the original color is **45.5833, 39.7083, 59.2948**, and **8.0027, 5.9202, 11.3106** is the 20% darker color. If you saturate the color by 10%, you get **20.3193, 15.1266, 28.6371**, and if you desaturate by 10%, it is **23.2082, 20.9044, 29.6001**.

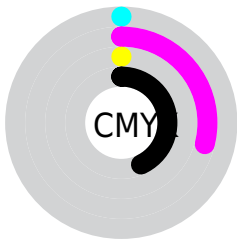
Distribution



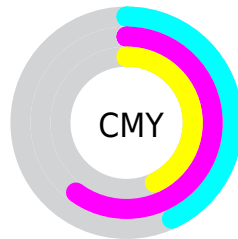
- Red (57%)
- Green (40%)
- Blue (57%)



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



- Cyan (0%)
- Magenta (29%)
- Yellow (0%)
- Black (43%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.6381, 17.7646, 29.0765 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 21.6381, 17.7646, 29.0765 by changing the saturation by 10% instead.

■ 21.6381, 17.7646,
29.0765

■ 21.6381, 17.7646,
29.0765

253.3185,
239.5408, 311.6480

■ 13.7063, 10.7811,
18.8926

■ 45.6304, 39.6358,
59.2422

■ 7.9970, 5.9198,
11.4167

■ 62.4217, 55.2923,
80.0612

■ 4.1448, 2.7964,
6.2302

■ 82.8969, 74.6086,
105.2622

■ 1.7844, 1.0264,
2.9145

■ 107.4213, 97.9691,
135.2639

■ 0.5082, 0.0000,
1.0511

136.3603,
125.7582, 170.4848

■ 0.0000, 0.0000,
0.0000

170.0793,

158.3602, 211.3434

208.9436,
196.1597, 258.2583

■ 21.6381, 17.7646,
29.0765

■ 21.6381, 17.7646,
29.0765

■ 20.3193, 15.1266,
28.6371

■ 23.2082, 20.9044,
29.6001

■ 19.2371, 12.9622,
28.2763

■ 25.0398, 24.5677,
30.2106

■ 18.3780, 11.2441,
27.9900

■ 27.1448, 28.7776,
30.9123

■ 17.7266, 9.9412,
27.7728

■ 29.5336, 33.5553,
31.7085

■ 17.2652, 9.0184,
27.6190

■ 32.2163, 38.9207,
32.6028

■ 16.9734, 8.4348,
27.5218

■ 35.2024, 44.8928,
33.5982

■ 16.8044, 8.0968,
27.4654

■ 38.5009, 51.4899,
34.6977

■ 16.7880, 8.0641,
27.4600

■ 42.1207, 58.7294,
35.9043

■ 46.0699, 66.6279,
37.2207

Harmonies

Analogous

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



19.2982, 17.7646, 36.3273



21.6381, 17.7646, 29.0765



22.7045, 17.7646, 20.4236

Triad

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



21.6381, 17.7646, 29.0765



17.2581, 17.7646, 7.8575



12.5770, 17.7646, 26.7300

Complementary

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



21.6381, 17.7646, 29.0765



18.1678, 24.1141, 16.5299

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.



12.1555, 17.7646, 18.3005



21.6381, 17.7646, 29.0765



14.6813, 17.7646, 8.7010

Square

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



21.6381, 17.7646, 29.0765



20.0085, 17.7646, 9.3392



12.8840, 17.7646, 12.0669



14.1042, 17.7646, 34.7353

Rectangle

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



21.6381, 17.7646, 29.0765



22.4736, 17.7646, 15.4819



12.8840, 17.7646, 12.0669



12.3089, 17.7646, 23.7971

Sweetspot

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



21.6387, 17.7654, 29.0769



44.7634, 43.8390, 54.0760



15.5554, 14.6294, 28.7922



9.8563, 9.5489, 11.9958



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.



21.6387, 17.7654, 29.0769



37.1049, 28.5221, 51.5232



20.1660, 17.1763, 21.3220



5.6263, 5.5110, 6.7960



14.3996, 6.9168, 23.5532



0.1377, 0.0661, 0.2252

Inverse Universe

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



21.6387, 17.7654, 29.0769



37.1049, 28.5221, 51.5232



19.3577, 24.5901, 22.7956



5.6263, 5.5110, 6.7960



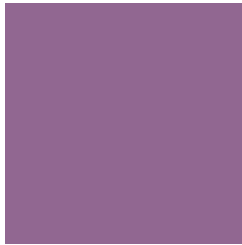
14.3996, 6.9168, 23.5532



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 21.6381, 17.7646, 29.0765 looks on a white background.

Color Contrast Check

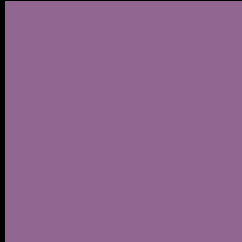
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6381, 17.7646, 29.0765 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 21.6381, 17.7646, 29.0765

Background



This preview shows how black text looks on a background with the XYZ color 21.6381, 17.7646, 29.0765.



This preview shows how white text looks on a background with the XYZ color 21.6381, 17.7646,

29.0765.

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

21.6381, 17.7646, 29.0765

Protanopia

18.1415, 17.9497, 33.0803

Deuteranopia

18.2911, 17.9576, 28.4887



Tritanopia

19.5580, 17.6722, 19.2099

Trichromacy



Original Color

21.6381, 17.7646, 29.0765

Protanomaly

19.1555, 17.6682, 31.6789

Deuteranomaly

19.4709, 17.8945, 28.8133

Tritanomaly

20.1401, 17.5912, 22.4126

Monochromacy



Original Color

21.6381, 17.7646, 29.0765

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.0330, 18.2867, 23.2954

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6381, 17.7646, 29.0765 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(145, 103, 145)` looks like.

```
.text, #text, p{  
    color:rgb(145, 103, 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(145, 103, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 103, 145) }
```

Border

The CSS property to change the border of an element to XYZ 21.6381, 17.7646, 29.0765 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(145, 103, 145) }
```


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

```
.border{ border-color:rgb(145, 103, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 103, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 103, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 103, 145);  
box-shadow:4px 4px 4px 4px rgb(145, 103,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6381, 17.7646, 29.0765 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 103, 145) }
```

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

```
.background{ background-color: rgb(145,  
103, 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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