

Converting Colors

XYZ(16.6154, 7.9490, 28.6344)

Have a look what the booklet for
XYZ(16.6154, 7.9490, 28.6344)
contains.

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Color

**XYZ(16.6730, 7.9778,
28.6781)**

Conversions

Conversions Part 1

Format	Color
Hex	8F0094
RGB	143, 0, 148
RGB Percent	56%, 0%, 58%
CMY	0.4392, 0.9999, 0.4196
CMYK	0.03, 1.00, 0.00, 0.42
HSL	298°, 100%, 29%
HSV	298°, 100%, 58%
XYZ	16.6730, 7.9778, 28.6781
YIQ	59.6290, 37.7200, 76.3440

Conversions

Conversions Part 2

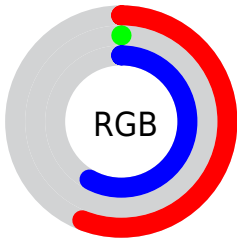
Format	Color
R_{YB}	143, 0, 148
Decimal	9371796
CIE _{Lab}	33.94, 64.65, -42.10
CIE _{LCh}	34, 77.152, 326.926
Yxy	7.9778, 0.3126, 0.1496
Android (android.graphics.Color)	4287561876 (0xFF8F0094)
YUV	59.6290, 43.5669, 73.1164
Hunter-Lab	28.2450, 55.9397, -40.4276

Details

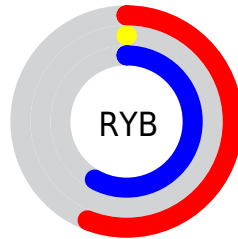
The XYZ color **16.6730, 7.9778, 28.6781** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **10.6528, 21.2123, 3.5333**, and the grayscale version is **4.1828, 4.4007, 4.7923**.

A 20% lighter version of the original color is **37.2528, 21.8989, 58.7634**, and **6.1358, 2.9192, 11.3064** is the 20% darker color. If you saturate the color by 10%, you get **16.6731, 7.9778, 28.6782**, and if you desaturate by 10%, it is **16.9282, 8.3590, 28.7383**.

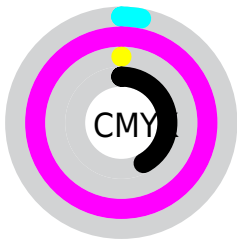
Distribution



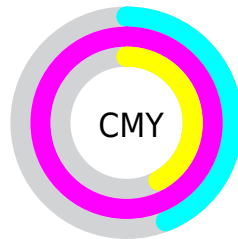
- Red (56%)
- Green (0%)
- Blue (58%)



- Red (56%)
- Yellow (0%)
- Blue (58%)



- Cyan (3%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



- Cyan (44%)
- Magenta (100%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6730, 7.9778, 28.6781 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 16.6730, 7.9778, 28.6781 by changing the saturation by 10% instead.

■ 16.6730, 7.9778,
28.6781

■ 16.6730, 7.9778,
28.6781

■ 226.4740,
175.5578, 309.7064

■ 10.0955, 4.0807,
18.5940

■ 37.3108, 21.9149,
58.6013

■ 5.5251, 1.7188,
11.2034

■ 52.1017, 32.7238,
79.2775

■ 2.5964, 0.4358,
6.0879

■ 70.3612, 46.6053,
104.3214

■ 0.9441, 0.0000,
2.8290

■ 92.4546, 63.9440,
134.1517


■ 0.0000, 0.0000,
1.0080


■ 118.7472, 85.1242,
169.1867

■ 0.0000, 0.0000,
0.0000


■ 149.6044,

110.5303, 209.8452


 185.3916,
140.5467, 256.5455

 16.6730, 7.9778,
28.6781

 16.6730, 7.9778,
28.6781

 16.6731, 7.9778,
28.6782

 16.9282, 8.3590,
28.7383

 17.3017, 8.9766,
28.8379

 17.8508, 9.9450,
28.9958

 18.5975, 11.3080,
29.2196

 19.5606, 13.1029,
29.5153

■ 20.7565, 15.3631,
29.8885

■ 22.2002, 18.1183,
30.3442

■ 23.9054, 21.3959,
30.8870

■ 25.8849, 25.2214,
31.5210

Harmonies

Analogous

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



11.9068, 7.9778, 50.5718



16.6730, 7.9778, 28.6781



18.9867, 7.9778, 10.0000

Triad

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



16.6730, 7.9778, 28.6781



8.0284, 7.9778, 0.0000



2.3886, 7.9778, 24.1325

Complementary

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



16.6730, 7.9778, 28.6781



10.6528, 21.2123, 3.5333

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.



2.0071, 7.9778, 7.4933



16.6730, 7.9778, 28.6781



4.4572, 7.9778, 0.0000

Square

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



16.6730, 7.9778, 28.6781



12.9596, 7.9778, 0.0000



2.5968, 7.9778, 1.1589



3.9466, 7.9778, 46.6262

Rectangle

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



16.6730, 7.9778, 28.6781



18.3640, 7.9778, 3.5073



2.5968, 7.9778, 1.1589



2.1512, 7.9778, 17.4129

Sweetspot

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



16.6733, 7.9782, 28.6783



39.0030, 31.6470, 53.4874



5.4260, 2.2992, 28.1749



8.6711, 6.7799, 12.1365



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



16.6733, 7.9782, 28.6783



29.3883, 14.0607, 50.5996



13.7135, 6.8964, 8.4731



6.0162, 5.8993, 7.2913



14.2462, 6.8168, 24.4959



0.1792, 0.0859, 0.3000

Inverse Universe

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



12.2404, 6.3072, 0.7162



21.5842, 11.1230, 1.1949



11.5915, 21.5806, 8.8033



5.8083, 5.8184, 6.0965



10.4571, 5.3879, 0.6224



0.1296, 0.0666, 0.0159

Previews

White Background



This preview shows how the XYZ color 16.6730, 7.9778, 28.6781 looks on a white background.

Color Contrast Check

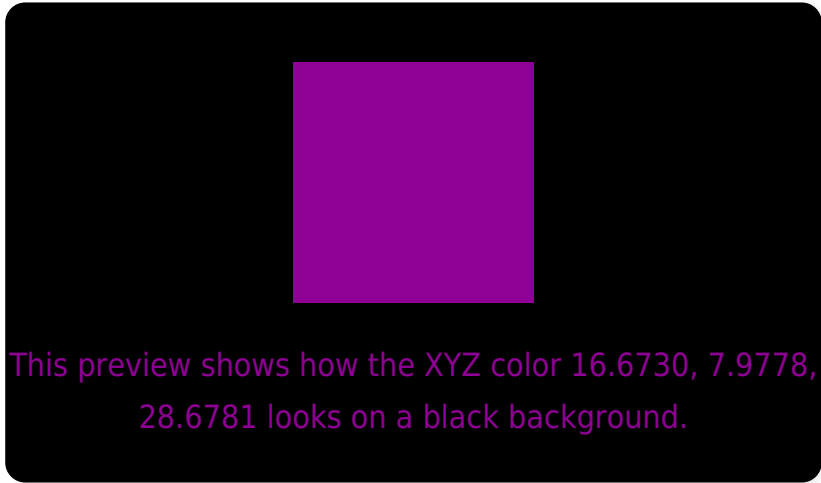
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

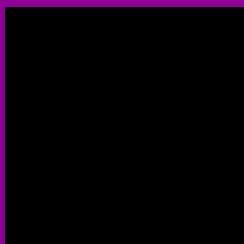
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.6730, 7.9778, 28.6781

Background



This preview shows how black text looks on a background with the XYZ color 16.6730, 7.9778, 28.6781.



This preview shows how white text looks on a background with the XYZ color 16.6730, 7.9778,

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

16.6730, 7.9778, 28.6781

Protanopia

10.0301, 8.6019, 38.6678

Deuteranopia

8.7497, 8.5642, 25.6180



Tritanopia

12.0554, 8.3605, 5.5358

Trichromacy



Original Color

16.6730, 7.9778, 28.6781



Protanomaly

9.0330, 5.6709, 34.3367



Deuteranomaly

9.3800, 6.1615, 26.2861



Tritanomaly

12.9539, 7.4318, 11.1077

Monochromacy



Original Color

16.6730, 7.9778, 28.6781



Achromatopsia

4.2949, 4.5186, 4.9208



Achromatomaly

6.8413, 4.3326, 10.6009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6730, 7.9778, 28.6781 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(143, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(143, 0, 148)  
}
```

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(143, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 16.6730, 7.9778, 28.6781 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(143, 0, 148) }
```


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

```
.border{ border-color:rgb(143, 0, 148) }
```

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

Here you see how a box with a 4 pixel rgb(143, 0, 148) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(143, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6730, 7.9778, 28.6781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 0, 148) }
```

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

```
.background{ background-color: rgb(143, 0,  
148) }
```

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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