

Converting Colors

XYZ(19.8940, 16.9983, 28.4973)

Have a look what the booklet for
XYZ(19.8940, 16.9983, 28.4973)
contains.

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Color

**XYZ(19.9760, 17.0651,
28.6266)**

Conversions

Conversions Part 1

Format	Color
Hex	876890
RGB	135, 104, 144
RGB Percent	53%, 41%, 56%
CMY	0.4706, 0.5921, 0.4353
CMYK	0.06, 0.28, 0.00, 0.44
HSL	286°, 16%, 49%
HSV	286°, 28%, 56%
XYZ	19.9760, 17.0651, 28.6266
YIQ	117.8290, 5.6360, 19.0120

Conversions

Conversions Part 2

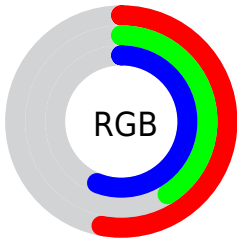
Format	Color
R _Y B	135, 104, 144
Decimal	8874128
CIE Lab	48.34, 19.94, -17.19
CIE LCh	48, 26.327, 319.235
Yxy	17.0651, 0.3042, 0.2599
Android (android.graphics.Color)	4287064208 (0xFF876890)
YUV	117.8290, 12.9023, 15.0590
Hunter-Lab	41.3099, 14.0238, -12.1693

Details

The XYZ color **19.9760, 17.0651, 28.6266** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2826, 24.4571, 16.8019**, and the grayscale version is **17.1266, 18.0185, 19.6221**.

A 20% lighter version of the original color is **42.9007, 38.3387, 58.5651**, and **7.1809, 5.5678, 11.2859** is the 20% darker color. If you saturate the color by 10%, you get **18.1352, 14.1454, 28.1603**, and if you desaturate by 10%, it is **22.0813, 20.4895, 29.1769**.

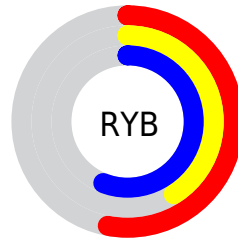
Distribution



Red (53%)

Green (41%)

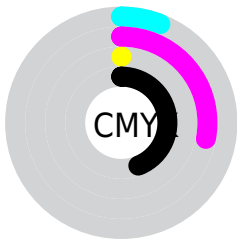
Blue (56%)



Red (53%)

Yellow (41%)

Blue (56%)

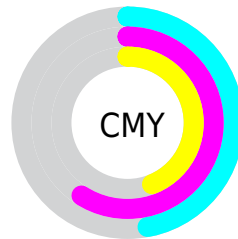


Cyan (6%)

Magenta (28%)

Yellow (0%)

Black (44%)



Cyan (47%)

Magenta (59%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9760, 17.0651, 28.6266 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 19.9760, 17.0651, 28.6266 by changing the saturation by 10% instead.

■ 19.9760, 17.0651,
28.6266

■ 19.9760, 17.0651,
28.6266

244.6212,
235.5473, 309.4547

■ 12.4858, 10.2809,
18.5554

■ 42.8812, 38.4377,
58.5184

■ 7.1500, 5.5856,
11.1759

■ 59.0269, 53.7948,
79.1760

■ 3.6032, 2.5948,
6.0696

■ 78.7884, 72.7785,
104.1996

■ 1.4802, 0.9240,
2.8180

■ 102.5311, 95.7730,
134.0076

■ 0.3123, 0.0000,
1.0025

130.6204,
123.1627, 169.0185

■ 0.0000, 0.0000,
0.0000

163.4216,

155.3320, 209.6510

201.3001,
192.6654, 256.3235

■ 19.9760, 17.0651,
28.6266

■ 19.9760, 17.0651,
28.6266

■ 18.1352, 14.1454,
28.1603

■ 22.0813, 20.4895,
29.1769

■ 16.5446, 11.7030,
27.7727

■ 24.4612, 24.4398,
29.8139

■ 15.1908, 9.7112,
27.4596

■ 27.1274, 28.9387,
30.5418

■ 14.0587, 8.1398,
27.2160

■ 30.0904, 34.0070,
31.3639

■ 13.1311, 6.9547,
27.0361

■ 33.3599, 39.6641,
32.2835

■ 12.3882, 6.1164,
26.9135

■ 36.9456, 45.9289,
33.3037

■ 11.7918, 5.5490,
26.8354

■ 40.8563, 52.8191,
34.4276

■ 11.6654, 5.4322,
26.8195

■ 45.1008, 60.3518,
35.6578

■ 49.6873, 68.5434,
36.9972

Harmonies

Analogous

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



17.7897, 17.0651, 34.0793



19.9760, 17.0651, 28.6266



21.1941, 17.0651, 21.1630

Triad

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



19.9760, 17.0651, 28.6266



17.0980, 17.0651, 8.3793



12.2378, 17.0651, 23.2889

Complementary

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



19.9760, 17.0651, 28.6266



19.2826, 24.4571, 16.8019

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.



12.0920, 17.0651, 16.2180



19.9760, 17.0651, 28.6266



14.7452, 17.0651, 8.6802

Square

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



19.9760, 17.0651, 28.6266



19.4268, 17.0651, 10.2545



12.9668, 17.0651, 11.2125



13.3868, 17.0651, 30.5095

Rectangle

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



19.9760, 17.0651, 28.6266



21.2197, 17.0651, 16.5377



12.9668, 17.0651, 11.2125



12.0744, 17.0651, 20.7860

Sweetspot

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



19.9765, 17.0658, 28.6270



42.9713, 42.8176, 52.5378



16.6860, 16.8422, 28.7572



9.7143, 9.5851, 12.0103



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.



19.9765, 17.0658, 28.6270



33.2626, 26.9560, 49.9879



20.7091, 17.5333, 24.6045



5.5092, 5.4507, 6.7905



10.1791, 4.7411, 23.3557



0.1161, 0.0550, 0.2242

Inverse Universe

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



19.4331, 17.0229, 17.8850



32.2113, 26.9052, 27.7466



18.7581, 24.1201, 19.7870



5.4555, 5.4427, 5.8967



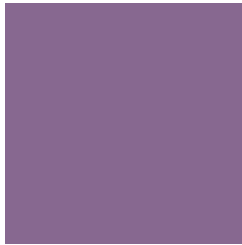
10.2554, 5.2592, 1.7305



0.1052, 0.0531, 0.0541

Previews

White Background



This preview shows how the XYZ color 19.9760, 17.0651, 28.6266 looks on a white background.

Color Contrast Check

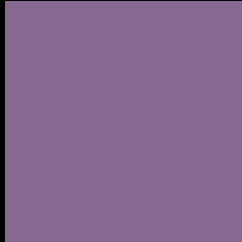
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9760, 17.0651, 28.6266 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

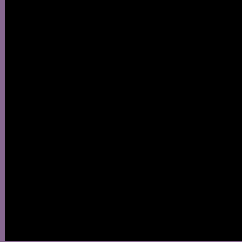
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9760, 17.0651, 28.6266

Background



This preview shows how black text looks on a background with the XYZ color 19.9760, 17.0651, 28.6266.



This preview shows how white text looks on a background with the XYZ color 19.9760, 17.0651,

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

19.9760, 17.0651, 28.6266

Protanopia

17.4289, 17.2723, 31.6934

Deuteranopia

17.4697, 17.2080, 27.9919



Tritanopia

18.0987, 17.0706, 19.4806

Trichromacy



Original Color

19.9760, 17.0651, 28.6266

Protanomaly

18.1237, 17.0030, 30.3437

Deuteranomaly

18.2796, 17.1281, 28.3292

Tritanomaly

18.6042, 16.9532, 22.3704

Monochromacy



Original Color

19.9760, 17.0651, 28.6266

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

18.0481, 17.6276, 22.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9760, 17.0651, 28.6266 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(135, 104, 144)` looks like.

```
.text, #text, p{  
    color:rgb(135, 104, 144)  
}
```

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(135, 104, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 104, 144) }
```

Border

The CSS property to change the border of an element to XYZ 19.9760, 17.0651, 28.6266 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(135, 104, 144) }
```


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

```
.border{ border-color:rgb(135, 104, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 104, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 104, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 104, 144);  
box-shadow:4px 4px 4px 4px rgb(135, 104,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9760, 17.0651, 28.6266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 104, 144) }
```

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

```
.background{ background-color: rgb(135,  
104, 144) }
```

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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