

Converting Colors

XYZ(17.6829, 12.1099, 21.6577)

Have a look what the booklet for
XYZ(17.6829, 12.1099, 21.6577)
contains.

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Color

**XYZ(17.7152, 12.1225,
21.8283)**

Conversions

Conversions Part 1

Format	Color
Hex	904880
RGB	144, 72, 128
RGB Percent	56%, 28%, 50%
CMY	0.4353, 0.7176, 0.4980
CMYK	0.00, 0.50, 0.11, 0.44
HSL	313°, 33%, 42%
HSV	313°, 50%, 56%
XYZ	17.7152, 12.1225, 21.8283
YIQ	99.9120, 24.9360, 32.6800

Conversions

Conversions Part 2

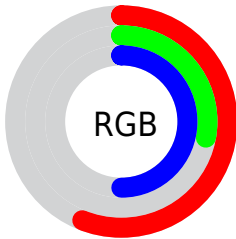
Format	Color
RYB	144, 72, 128
Decimal	9455744
CIELab	41.41, 38.15, -18.07
CIELCh	41, 42.215, 334.656
Yxy	12.1225, 0.3429, 0.2346
Android (android.graphics.Color)	4287645824 (0xFF904880)
YUV	99.9120, 13.8474, 38.6652
Hunter-Lab	34.8174, 29.8910, -12.7989

Details

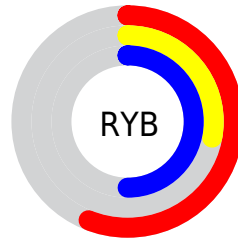
The XYZ color **17.7152, 12.1225, 21.8283** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.4077, 22.0291, 12.7260**, and the grayscale version is **12.0525, 12.6801, 13.8087**.

A 20% lighter version of the original color is **38.9766, 29.6442, 47.3837**, and **5.9938, 3.3250, 7.7230** is the 20% darker color. If you saturate the color by 10%, you get **16.6837, 10.3912, 20.4616**, and if you desaturate by 10%, it is **18.9721, 14.2937, 23.3031**.

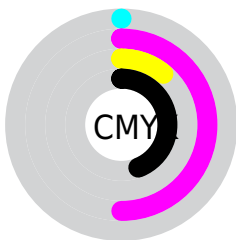
Distribution



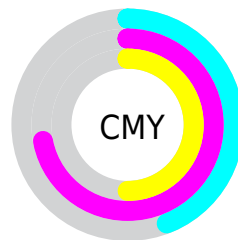
- Red (56%)
- Green (28%)
- Blue (50%)



- Red (56%)
- Yellow (28%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (11%)
- Black (44%)



- Cyan (44%)
- Magenta (72%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.7152, 12.1225, 21.8283 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 17.7152, 12.1225, 21.8283 by changing the saturation by 10% instead.

■ 17.7152, 12.1225,
21.8283

■ 17.7152, 12.1225,
21.8283

232.3376,
205.2146, 274.5725

■ 10.8442, 6.8272,
13.5337

■ 39.0853, 29.7180,
47.3606

■ 6.0287, 3.3542,
7.6620

■ 54.3151, 42.7870,
65.4354

■ 2.9033, 1.3194,
3.7948

■ 73.0619, 59.2160,
87.6072

■ 1.1029, 0.1561,
1.5135

■ 95.6910, 79.3893,
114.2948

■ 0.0275, 0.0000,
0.2279

■ 122.5677,
103.6915, 145.9166

■ 0.0000, 0.0000,
0.0000

154.0575,

132.5068, 182.8911

190.5257,
166.2197, 225.6369

■ 17.7152, 12.1225,
21.8283

■ 17.7152, 12.1225,
21.8283

■ 16.6837, 10.3912,
20.4616

■ 18.9721, 14.2937,
23.3031

■ 15.8611, 9.0672,
19.1970

■ 20.4674, 16.9311,
24.8904

■ 15.2301, 8.1160,
18.0283

■ 22.2143, 20.0608,
26.5948

■ 14.7702, 7.4968,
16.9486

■ 24.2246, 23.7066,
28.4208

■ 14.4263, 7.0993,
15.9392

■ 26.5096, 27.8907,
30.3723

■ 14.4262, 7.0992,
15.9389

■ 29.0798, 32.6340,
32.4530

■ 31.9451, 37.9563,
34.6665

■ 35.1149, 43.8764,
37.0164

■ 38.5983, 50.4124,
39.5058

Harmonies

Analogous

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



15.2111, 12.1225, 32.5345



17.7152, 12.1225, 21.8283



18.4554, 12.1225, 11.8754

Triad

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



17.7152, 12.1225, 21.8283



11.0500, 12.1225, 2.5083



7.3203, 12.1225, 25.3200

Complementary

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



17.7152, 12.1225, 21.8283



14.4077, 22.0291, 12.7260

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.



6.5874, 12.1225, 14.6182



17.7152, 12.1225, 21.8283



8.4836, 12.1225, 3.6112

Square

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



17.7152, 12.1225, 21.8283



14.2350, 12.1225, 3.0637



6.9722, 12.1225, 7.2098



9.1778, 12.1225, 35.1006

Rectangle

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



17.7152, 12.1225, 21.8283



17.7551, 12.1225, 7.3333



6.9722, 12.1225, 7.2098



6.9508, 12.1225, 21.5723

Sweetspot

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



17.7156, 12.1231, 21.8285



40.7845, 38.2823, 48.3902



11.3387, 8.7042, 27.4682



9.2018, 8.5055, 10.9586



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.



17.7156, 12.1231, 21.8285



29.2279, 18.0019, 35.8048



15.7687, 11.3443, 11.5763



5.5757, 5.4908, 6.5295



12.5716, 6.1856, 13.9271



0.1284, 0.0624, 0.1761

Inverse Universe

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



17.7156, 12.1231, 21.8285



29.2279, 18.0019, 35.8048



16.2590, 22.7697, 22.4749



5.5757, 5.4908, 6.5295



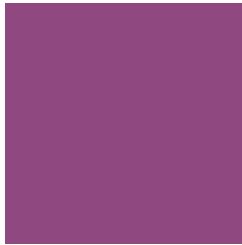
12.5716, 6.1856, 13.9271



0.1284, 0.0624, 0.1761

Previews

White Background



This preview shows how the XYZ color 17.7152, 12.1225, 21.8283 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 17.7152, 12.1225, 21.8283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

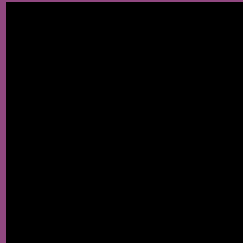
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.7152, 12.1225, 21.8283

Background



This preview shows how black text looks on a background with the XYZ color 17.7152, 12.1225, 21.8283.



This preview shows how white text looks on a background with the XYZ color 17.7152, 12.1225,

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

17.7152, 12.1225, 21.8283

Protanopia

12.9345, 12.4053, 29.3165

Deuteranopia

12.4371, 12.2007, 20.7682



Tritanopia

15.3102, 12.0619, 10.5381

Trichromacy



Original Color

17.7152, 12.1225, 21.8283

Protanomaly

13.9323, 11.8160, 26.3573

Deuteranomaly

13.7920, 11.7418, 20.9415

Tritanomaly

16.1072, 12.0708, 14.0513

Monochromacy



Original Color

17.7152, 12.1225, 21.8283

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.6731, 12.1511, 16.3766

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.7152, 12.1225, 21.8283 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(144, 72, 128)` looks like.

```
.text, #text, p{  
    color:rgb(144, 72, 128)  
}
```

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(144, 72, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 72, 128) }
```

Border

The CSS property to change the border of an element to XYZ 17.7152, 12.1225, 21.8283 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(144, 72, 128) }
```


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

```
.border{ border-color:rgb(144, 72, 128) }
```

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

Here you see how a box with a 4 pixel rgb(144, 72, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 72, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 72, 128);  
box-shadow:4px 4px 4px 4px rgb(144, 72,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 17.7152, 12.1225, 21.8283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 72, 128) }
```

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

```
.background{ background-color: rgb(144, 72,  
128) }
```

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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