

Converting Colors

XYZ(9.9601, 4.8764, 12.1315)

Have a look what the booklet for
XYZ(9.9601, 4.8764, 12.1315)
contains.

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Color

**XYZ(9.9979, 4.8939,
12.2221)**

Conversions

Conversions Part 1

Format	Color
Hex	780063
RGB	120, 0, 99
RGB Percent	47%, 0%, 39%
CMY	0.5294, 1.0000, 0.6118
CMYK	0.00, 1.00, 0.18, 0.53
HSL	311°, 100%, 24%
HSV	311°, 100%, 47%
XYZ	9.9979, 4.8939, 12.2221
YIQ	47.1660, 39.7410, 56.2290

Conversions

Conversions Part 2

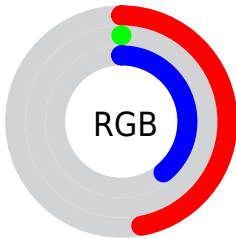
Format	Color
R_YB	120, 0, 99
Decimal	7864419
CIE _{Lab}	26.43, 53.14, -23.32
CIE _{LCh}	26, 58.029, 336.303
Yxy	4.8939, 0.3687, 0.1805
Android (android.graphics.Color)	4286054499 (0xFF780063)
YUV	47.1660, 25.5542, 63.8754
Hunter-Lab	22.1222, 41.9576, -17.2712

Details

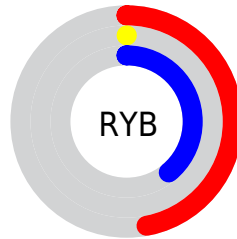
The XYZ color **9.9979, 4.8939, 12.2221** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **6.8521, 13.4874, 2.9520**, and the grayscale version is **2.6907, 2.8309, 3.0828**.

A 20% lighter version of the original color is **25.4766, 15.5664, 30.5160**, and **2.9346, 1.4412, 3.3723** is the 20% darker color. If you saturate the color by 10%, you get **9.9979, 4.8940, 12.2218**, and if you desaturate by 10%, it is **10.2313, 5.1978, 12.8018**.

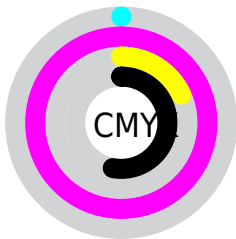
Distribution



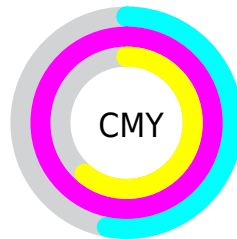
- Red (47%)
- Green (0%)
- Blue (39%)



- Red (47%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (53%)





- Cyan (53%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 9.9979, 4.8939, 12.2221 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 9.9979, 4.8939, 12.2221 by changing the saturation by 10% instead.


 9.9979, 4.8939,
12.2221


 9.9979, 4.8939,
12.2221


184.7110,
148.7950, 216.9000


 5.4598, 2.1851,
6.7708

 25.4413, 15.5888,
30.5694


 2.5570, 0.7119,
3.2429


 37.0773, 24.3437,
44.3024

 0.9241, 0.0000,
1.2199

 51.8099, 35.8829,
61.6331

 0.0000, 0.0000,
0.0000

 70.0046, 50.5906,
82.9800

 92.0268, 68.8512,
108.7615

 118.2416, 91.0493,

139.3964

149.0146,
117.5691, 175.3030

9.9979, 4.8939,
12.2221

9.9979, 4.8939,
12.2221

9.9979, 4.8940,
12.2218

10.2313, 5.1978,
12.8018

10.5309, 5.6300,
13.4165

10.9423, 6.2815,
14.0816

11.4781, 7.1777,
14.8013

12.1495, 8.3406,
15.5794

■ 12.9662, 9.7899,
16.4194

■ 13.9371, 11.5432,
17.3242

■ 15.0703, 13.6167,
18.2966

■ 16.3735, 16.0257,
19.3393

Harmonies

Analogous

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



7.7963, 4.8939, 23.4724



9.9979, 4.8939, 12.2221



10.5862, 4.8939, 4.0541

Triad

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



9.9979, 4.8939, 12.2221



4.1821, 4.8939, 0.0000



1.9179, 4.8939, 16.9142

Complementary

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



9.9979, 4.8939, 12.2221



6.8521, 13.4874, 2.9520

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.



1.4926, 4.8939, 6.8457



9.9979, 4.8939, 12.2221



2.4917, 4.8939, 0.0000

Square

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



9.9979, 4.8939, 12.2221



6.6675, 4.8939, 0.0000



1.6610, 4.8939, 1.6844



3.0893, 4.8939, 27.4160

Rectangle

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



9.9979, 4.8939, 12.2221



9.8568, 4.8939, 1.4533



1.6610, 4.8939, 1.6844



1.7042, 4.8939, 13.1542

Sweetspot

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



9.9981, 4.8942, 12.2222



24.3763, 20.0545, 30.3477



3.6789, 1.5050, 17.8662



5.6331, 4.4919, 7.0610



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



9.9981, 4.8942, 12.2222



17.5412, 8.5902, 21.2685



8.1290, 4.1465, 2.3799



4.1258, 4.0661, 4.8602



10.9025, 5.3371, 13.3091



51.7262, 25.3468, 62.0136

Inverse Universe

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



9.9981, 4.8942, 12.2222



17.5412, 8.5902, 21.2685



8.1647, 14.0124, 9.8644



4.1258, 4.0661, 4.8602



10.9025, 5.3371, 13.3091



51.7262, 25.3468, 62.0136

Previews

White Background



This preview shows how the XYZ color 9.9979, 4.8939, 12.2221 looks on a white background.

Color Contrast Check

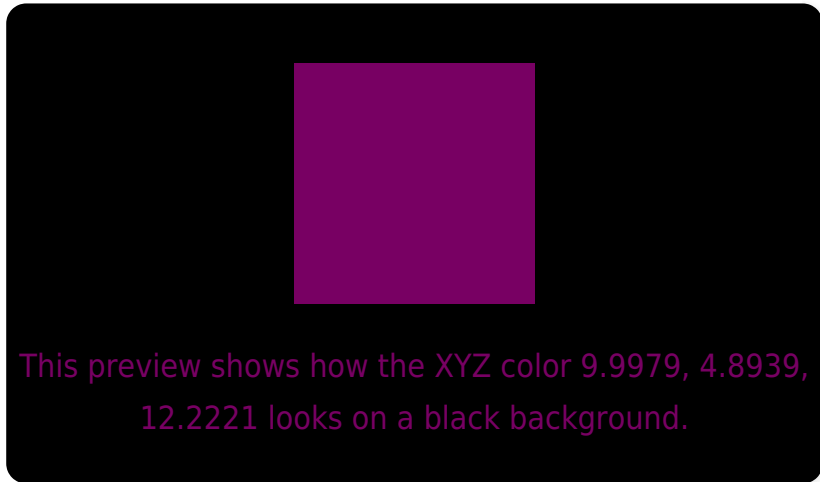
Large Text (above 18pt) WCAG AA ✓ Pass

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

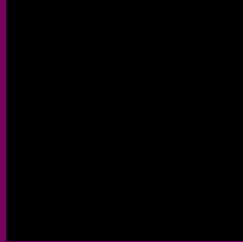
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 9.9979, 4.8939, 12.2221

Background



This preview shows how black text looks on a background with the XYZ color 9.9979, 4.8939, 12.2221.



This preview shows how white text looks on a background with the XYZ color 9.9979, 4.8939, 12.2221.

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

9.9979, 4.8939, 12.2221

Protanopia

6.2773, 5.4444, 24.0126

Deuteranopia

5.5534, 5.4408, 11.1134



Tritanopia

8.1960, 5.2560, 2.6803

Trichromacy



Original Color

9.9979, 4.8939, 12.2221

Protanomaly

5.4068, 3.5514, 19.1394

Deuteranomaly

6.1668, 4.1176, 11.2962

Tritanomaly

8.5533, 4.8250, 5.0379

Monochromacy



Original Color

9.9979, 4.8939, 12.2221

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2717, 2.7777, 5.4653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.9979, 4.8939, 12.2221 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(120, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(120, 0, 99)  
}
```

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(120, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 9.9979, 4.8939, 12.2221 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(120, 0, 99) }
```


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

```
.border{ border-color:rgb(120, 0, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 0, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(120, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 9.9979, 4.8939, 12.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 0, 99) }
```

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

```
.background{ background-color: rgb(120, 0,  
99) }
```

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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