

Converting Colors

XYZ(10.0477, 4.7525, 19.7731)

Have a look what the booklet for
XYZ(10.0477, 4.7525, 19.7731)
contains.

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Color

**XYZ(10.0083, 4.7319,
19.7879)**

Conversions

Conversions Part 1

Format	Color
Hex	6D007D
RGB	109, 0, 125
RGB Percent	43%, 0%, 49%
CMY	0.5725, 1.0000, 0.5098
CMYK	0.13, 1.00, 0.00, 0.51
HSL	292°, 100%, 25%
HSV	292°, 100%, 49%
XYZ	10.0083, 4.7319, 19.7879
YIQ	46.8410, 24.8390, 61.9830

Conversions

Conversions Part 2

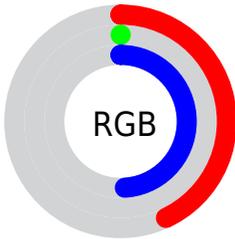
Format	Color
RYB	109, 0, 125
Decimal	7143549
CIELab	25.96, 55.26, -40.95
CIElCh	26, 68.777, 323.462
Yxy	4.7319, 0.2899, 0.1370
Android (android.graphics.Color)	4285333629 (0xFF6D007D)
YUV	46.8410, 38.5324, 54.5134
Hunter-Lab	21.7529, 44.0584, -38.7070

Details

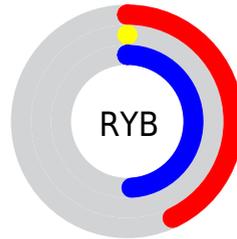
The XYZ color **10.0083, 4.7319, 19.7879** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **7.5475, 14.7775, 2.4548**, and the grayscale version is **2.6444, 2.7821, 3.0297**.

A 20% lighter version of the original color is **25.4128, 15.2411, 43.7219**, and **2.9009, 1.3488, 6.7641** is the 20% darker color. If you saturate the color by 10%, you get **10.0083, 4.7319, 19.7880**, and if you desaturate by 10%, it is **10.3448, 5.1098, 19.8432**.

Distribution



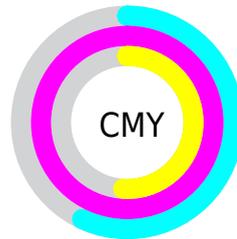
- Red (43%)
- Green (0%)
- Blue (49%)



- Red (43%)
- Yellow (0%)
- Blue (49%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)



- Cyan (57%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0083, 4.7319, 19.7879 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 10.0083, 4.7319, 19.7879 by changing the saturation by 10% instead.

10.0083, 4.7319,
19.7879

10.0083, 4.7319,
19.7879

184.7837,
147.2049, 263.3307

5.4668, 2.0908,
12.0584

25.4606, 15.2368,
43.9156

2.5612, 0.6595,
6.6605

37.1022, 23.8695,
61.1509

0.9262, 0.0000,
3.1755

51.8411, 35.2681,
82.3918

0.0000, 0.0000,
1.1849

70.0427, 49.8171,
108.0570

0.0000, 0.0000,
0.0000

92.0724, 67.9009,
138.5649

118.2956, 89.9039,

174.3342

 149.0776,
116.2104, 215.7833

 10.0083, 4.7319,
19.7879

 10.0083, 4.7319,
19.7879

 10.0083, 4.7319,
19.7880

 10.3448, 5.1098,
19.8432

 10.7572, 5.6342,
19.9227

 11.2927, 6.3997,
20.0422

 11.9657, 7.4347,
20.2065

 12.7883, 8.7635,
20.4196

■ 13.7714, 10.4078,
20.6852

■ 14.9249, 12.3872,
21.0065

■ 16.2576, 14.7197,
21.3864

■ 17.7780, 17.4222,
21.8279

Harmonies

Analogous

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



6.8654, 4.7319, 33.8076



10.0083, 4.7319, 19.7879



11.7641, 4.7319, 7.0132

Triad

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



10.0083, 4.7319, 19.7879



5.1075, 4.7319, 0.0000



1.2417, 4.7319, 13.4972

Complementary

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



10.0083, 4.7319, 19.7879



7.5475, 14.7775, 2.4548

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.



1.0832, 4.7319, 3.6536



10.0083, 4.7319, 19.7879



2.7483, 4.7319, 0.0000

Square

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



10.0083, 4.7319, 19.7879



8.2963, 4.7319, 0.0000



1.5062, 4.7319, 0.2661



2.0821, 4.7319, 28.2755

Rectangle

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



10.0083, 4.7319, 19.7879



11.5610, 4.7319, 2.4325



1.5062, 4.7319, 0.2661



1.1254, 4.7319, 9.3864

Sweetspot

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



10.0085, 4.7321, 19.7880



26.5647, 21.9017, 37.5717



3.8972, 1.8716, 19.5580



5.8746, 4.6921, 8.4991



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



10.0085, 4.7321, 19.7880



17.8373, 8.4297, 35.4313



9.8751, 4.9272, 7.8602



4.4457, 4.3854, 5.4254



10.4416, 4.9365, 20.6525



0.0000, 0.0000, 0.0000

Inverse Universe

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



8.5512, 4.3976, 0.8887



15.2796, 7.8614, 1.4162



7.8237, 14.8633, 5.0247



4.3485, 4.3525, 4.6395



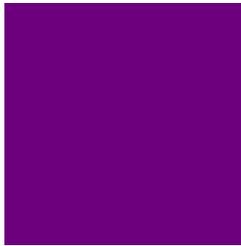
8.9230, 4.5889, 0.9183



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.0083, 4.7319, 19.7879 looks on a white background.

Color Contrast Check

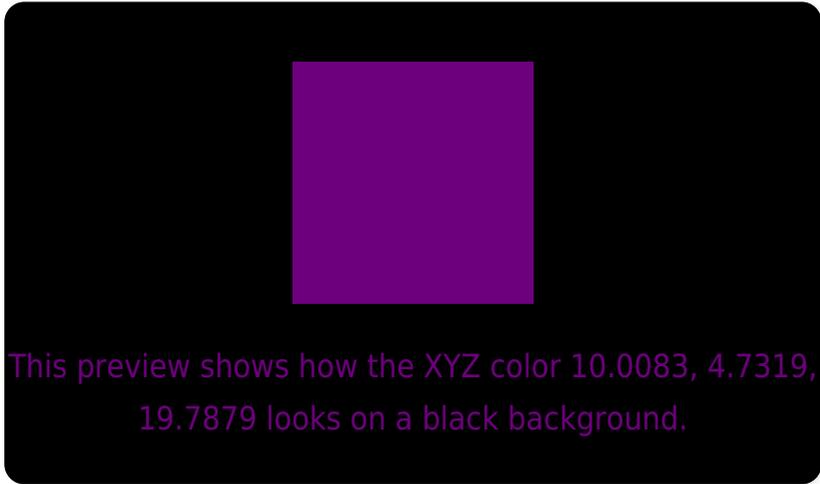
Large Text (above 18pt) WCAG AA ✓ Pass

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

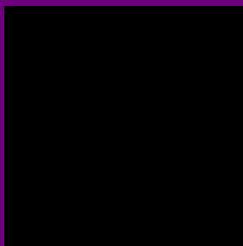
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.0083, 4.7319, 19.7879

Background



This preview shows how black text looks on a background with the XYZ color 10.0083, 4.7319, 19.7879.



This preview shows how white text looks on a background with the XYZ color 10.0083, 4.7319,

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

10.0083, 4.7319, 19.7879

Protanopia

5.9424, 5.2210, 22.5243

Deuteranopia

5.1591, 5.1808, 17.5577



Tritanopia

6.9737, 5.1539, 3.8761

Trichromacy



Original Color

10.0083, 4.7319, 19.7879

Protanomaly

5.5963, 3.5537, 21.1598

Deuteranomaly

5.0932, 3.4631, 18.1693

Tritanomaly

7.4948, 4.4281, 7.8568

Monochromacy



Original Color

10.0083, 4.7319, 19.7879

Achromatopsia

2.7019, 2.8426, 3.0956

Achromatomaly

4.2601, 2.7386, 6.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0083, 4.7319, 19.7879 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(109, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(109, 0, 125)  
}
```

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(109, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 0, 125) }
```

Border

The CSS property to change the border of an element to XYZ 10.0083, 4.7319, 19.7879 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(109, 0, 125) }
```


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

```
.border{ border-color:rgb(109, 0, 125) }
```

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

Here you see how a box with a 4 pixel rgb(109, 0, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(109, 0,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 10.0083, 4.7319, 19.7879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 0, 125) }
```

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

```
.background{ background-color: rgb(109, 0,  
125) }
```

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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