

Converting Colors

$Y_{xy}(21.9922, 0.3306, 0.2569)$

Have a look what the booklet for
Yxy(21.9922, 0.3306, 0.2569)
contains.

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Color

Yxy(21.9519, 0.3309, 0.2574)

Conversions

Conversions Part 1

Format	Color
Hex	AA6D9E
RGB	170, 109, 158
RGB Percent	67%, 43%, 62%
CMY	0.3333, 0.5726, 0.3803
CMYK	0.00, 0.36, 0.07, 0.33
HSL	312°, 26%, 55%
HSV	312°, 36%, 67%
XYZ	28.2202, 21.9519, 35.1111
YIQ	132.8250, 20.6270, 28.1710

Conversions

Conversions Part 2

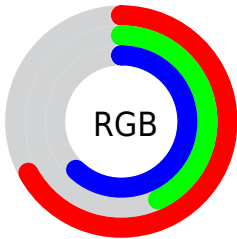
Format	Color
R _Y B	170, 109, 158
Decimal	11169182
CIE Lab	53.98, 31.94, -16.50
CIE LCh	54, 35.952, 332.680
Yxy	21.9519, 0.3309, 0.2574
Android (android.graphics.Color)	4289359262 (0xFFAA6D9E)
YUV	132.8250, 12.4113, 32.6025
Hunter-Lab	46.8529, 25.5209, -11.6344

Details

The Yxy color **21.9519, 0.3309, 0.2574** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **33.3815, 0.2988, 0.4133**, and the grayscale version is **23.3377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8135, 0.3271, 0.2720**, and **8.0752, 0.3360, 0.2338** is the 20% darker color. If you saturate the color by 10%, you get **18.5566, 0.3375, 0.2381**, and if you desaturate by 10%, it is **26.0538, 0.3250, 0.2776**.

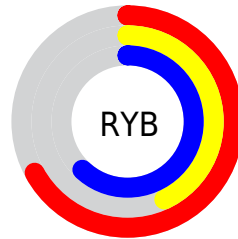
Distribution



Red (67%)

Green (43%)

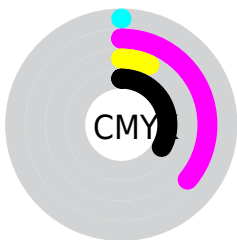
Blue (62%)



Red (67%)

Yellow (43%)

Blue (62%)

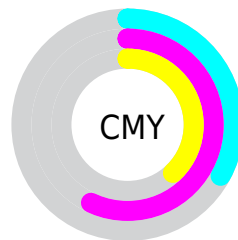


Cyan (0%)

Magenta (36%)

Yellow (7%)

Black (33%)



Cyan (33%)


Magenta (57%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9519, 0.3309, 0.2574 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 Yxy color 21.9519, 0.3309, 0.2574 by changing the saturation by 10% instead.


 21.9519, 0.3309,
0.2574


 21.9519, 0.3309,
0.2574


262.2950, 0.3217,
0.2954


 13.8216, 0.3332,
0.2472


 46.6665, 0.3275,
0.2718


 7.9967, 0.3362,
0.2336


 64.0195, 0.3263,
0.2770

 4.0928, 0.3400,
0.2148


 85.2156, 0.3252,
0.2813

 1.7256, 0.3451,
0.1871

 110.6390, 0.3243,
0.2850

 0.4402, 0.3584,
0.1261

140.6743, 0.3235,
0.2882

 0.0000, 0.2545,
0.0000

175.7058, 0.3228,

 0.0000, 0.0000,

0.2909

0.0000

216.1179, 0.3222,
0.2933

■ 21.9519, 0.3309,
0.2574

■ 21.9519, 0.3309,
0.2574

■ 18.5566, 0.3375,
0.2381

■ 26.0538, 0.3250,
0.2776

■ 15.8242, 0.3445,
0.2206

■ 30.8967, 0.3197,
0.2978

■ 13.7110, 0.3520,
0.2059


■ 36.5162, 0.3151,
0.3177


■ 12.1667, 0.3596,
0.1948


■ 42.9450, 0.3112,
0.3367


■ 11.1330, 0.3671,
0.1880

■ 50.2136, 0.3078,
0.3546


 10.5336, 0.3744,
0.1856

 58.3512, 0.3049,
0.3713

 10.3422, 0.3774,
0.1853

 67.3853, 0.3025,
0.3867

 77.3425, 0.3004,
0.4009

 83.6998, 0.2987,
0.4070

Harmonies

Analogous

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



21.9519, 0.2680, 0.2338



21.9519, 0.3309, 0.2574



21.9519, 0.3946, 0.2962

Triad

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



21.9519, 0.3309, 0.2574



21.9519, 0.4043, 0.4325



21.9519, 0.2038, 0.2945

Complementary

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



21.9519, 0.3309, 0.2574



33.3815, 0.2988, 0.4133

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.



21.9519, 0.2333, 0.3591



21.9519, 0.3309, 0.2574



21.9519, 0.3481, 0.4472

Square

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



21.9519, 0.3309, 0.2574



21.9519, 0.4377, 0.3925



21.9519, 0.2855, 0.4202



21.9519, 0.2004, 0.2496

Rectangle

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



21.9519, 0.3309, 0.2574



21.9519, 0.4255, 0.3274



21.9519, 0.2855, 0.4202



21.9519, 0.2108, 0.3146

Sweetspot

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



21.9529, 0.3309, 0.2574



60.6544, 0.3175, 0.3072



17.8453, 0.2603, 0.2266



13.2326, 0.3181, 0.3046



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



21.9529, 0.3309, 0.2574



34.8620, 0.3360, 0.2421



21.0501, 0.3696, 0.2997



7.6410, 0.3166, 0.3110



7.6155, 0.3766, 0.1849



0.1916, 0.3552, 0.1731

Inverse Universe

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



21.9529, 0.3309, 0.2574



34.8620, 0.3360, 0.2421



34.2259, 0.2767, 0.3609



7.6410, 0.3166, 0.3110



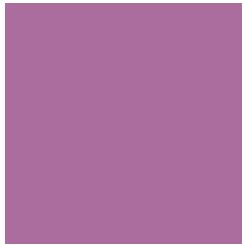
7.6155, 0.3766, 0.1849



0.1916, 0.3552, 0.1731

Previews

White Background



This preview shows how the Yxy color 21.9519, 0.3309, 0.2574 looks on a white background.

Color Contrast Check

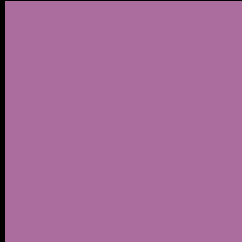
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 21.9519, 0.3309, 0.2574 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

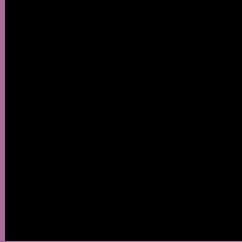
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9519, 0.3309, 0.2574

Background



This preview shows how black text looks on a background with the Yxy color 21.9519, 0.3309, 0.2574.



This preview shows how white text looks on a background with the Yxy color 21.9519, 0.3309, 0.2574.

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

21.9519, 0.3309, 0.2574

Protanopia

22.1988, 0.2591, 0.2557

Deuteranopia

21.9554, 0.2859, 0.2799



Tritanopia

22.0530, 0.3677, 0.3167

Trichromacy



Original Color

21.9519, 0.3309, 0.2574

Protanomaly

21.6990, 0.2815, 0.2548

Deuteranomaly

21.7625, 0.3014, 0.2708

Tritanomaly

21.8033, 0.3542, 0.2938

Monochromacy



Original Color

21.9519, 0.3309, 0.2574

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.4793, 0.3189, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9519, 0.3309, 0.2574 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(170, 109, 158)` looks like.

```
.text, #text, p{  
    color:rgb(170, 109, 158)  
}
```

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(170, 109, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 109, 158) }
```

Border

The CSS property to change the border of an element to Yxy 21.9519, 0.3309, 0.2574 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(170, 109, 158) }
```

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

```
.border{ border-color:rgb(170, 109, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 109, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 109, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 109, 158);  
box-shadow:4px 4px 4px 4px rgb(170, 109,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9519, 0.3309, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 109, 158) }
```

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

```
.background{ background-color: rgb(170,  
109, 158) }
```

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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