

Converting Colors

$Y_{xy}(22.0521, 0.3012, 0.2397)$

Have a look what the booklet for
Yxy(22.0521, 0.3012, 0.2397)
contains.

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Color

Yxy(21.9764, 0.3006, 0.2391)

Conversions

Conversions Part 1

Format	Color
Hex	9F70AD
RGB	159, 112, 173
RGB Percent	62%, 44%, 68%
CMY	0.3766, 0.5607, 0.3217
CMYK	0.08, 0.35, 0.00, 0.32
HSL	286°, 27%, 56%
HSV	286°, 35%, 68%
XYZ	27.6290, 21.9764, 42.3076
YIQ	133.0070, 8.4310, 28.9350

Conversions

Conversions Part 2

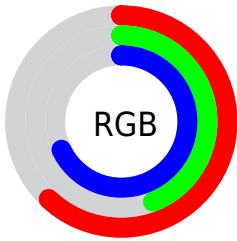
Format	Color
R _Y B	159, 112, 173
Decimal	10449069
CIE Lab	54.00, 29.48, -25.25
CIE LCh	54, 38.819, 319.424
Yxy	21.9764, 0.3006, 0.2391
Android (android.graphics.Color)	4288639149 (0xFF9F70AD)
YUV	133.0070, 19.7165, 22.7959
Hunter-Lab	46.8790, 23.1642, -20.6930

Details

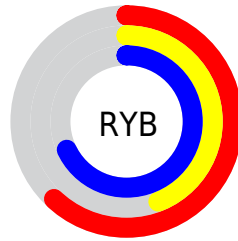
The Yxy color **21.9764, 0.3006, 0.2391** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **35.4849, 0.3199, 0.4288**, and the grayscale version is **23.3830, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5042, 0.3033, 0.2557**, and **7.9753, 0.2939, 0.2109** is the 20% darker color. If you saturate the color by 10%, you get **18.1195, 0.2958, 0.2133**, and if you desaturate by 10%, it is **26.5816, 0.3048, 0.2654**.

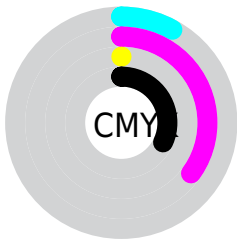
Distribution



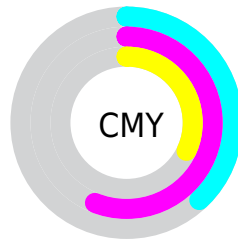
- Red (62%)
- Green (44%)
- Blue (68%)



- Red (62%)
- Yellow (44%)
- Blue (68%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (32%)



- Cyan (38%)
- Magenta (56%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9764, 0.3006, 0.2391 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 21.9764, 0.3006, 0.2391 by changing the saturation by 10% instead.

 21.9764, 0.3006,
0.2391


 21.9764, 0.3006,
0.2391

262.4230, 0.3085,
0.2862


 13.8396, 0.2979,
0.2267


 46.7070, 0.3040,
0.2567


 8.0092, 0.2940,
0.2106


 64.0695, 0.3051,
0.2632

 4.1008, 0.2878,
0.1886


 85.2761, 0.3059,
0.2686

 1.7301, 0.2773,
0.1575

 110.7111, 0.3066,
0.2732

 0.4430, 0.2604,
0.0980

140.7588, 0.3072,
0.2771

 0.0000, 0.0782,
0.0000

175.8038, 0.3077,

 0.0000, 0.0000,

0.2806

0.0000

216.2304, 0.3081,
0.2836

■ 21.9764, 0.3006,
0.2391

■ 21.9764, 0.3006,
0.2391

■ 18.1195, 0.2958,
0.2133

■ 26.5816, 0.3048,
0.2654

■ 14.9657, 0.2905,
0.1891

■ 31.9710, 0.3084,
0.2914

■ 12.4695, 0.2847,
0.1674


■ 38.1819, 0.3114,
0.3164

■ 10.5786, 0.2786,
0.1493


■ 45.2480, 0.3138,
0.3401


■ 9.2328, 0.2725,
0.1355

■ 53.2014, 0.3158,
0.3620


 8.3571, 0.2665,
0.1262

 62.0725, 0.3173,
0.3822

 8.0226, 0.2636,
0.1226

 71.8899, 0.3185,
0.4007

 82.6814, 0.3194,
0.4174

 86.1025, 0.3214,
0.4210

Harmonies

Analogous

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



21.9764, 0.2401, 0.2228



21.9764, 0.3006, 0.2391



21.9764, 0.3720, 0.2738

Triad

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



21.9764, 0.3006, 0.2391



21.9764, 0.4306, 0.4224



21.9764, 0.2065, 0.3203

Complementary

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



21.9764, 0.3006, 0.2391



35.4849, 0.3199, 0.4288

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.



21.9764, 0.2494, 0.3936



21.9764, 0.3006, 0.2391



21.9764, 0.3786, 0.4542

Square

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



21.9764, 0.3006, 0.2391



21.9764, 0.4514, 0.3732



21.9764, 0.3122, 0.4471



21.9764, 0.1910, 0.2612

Rectangle

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



21.9764, 0.3006, 0.2391



21.9764, 0.4140, 0.3043



21.9764, 0.3122, 0.4471



21.9764, 0.2179, 0.3445

Sweetspot

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



21.9773, 0.3006, 0.2391



61.5990, 0.3097, 0.3017



21.4462, 0.2535, 0.2503



13.0793, 0.3093, 0.2984



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.



21.9773, 0.3006, 0.2391



34.0711, 0.2971, 0.2197



22.8990, 0.3357, 0.2643



8.0540, 0.3102, 0.3064



5.9223, 0.2643, 0.1229



0.1872, 0.2824, 0.1329

Inverse Universe

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



21.9811, 0.3755, 0.3081



34.1774, 0.3955, 0.3036



34.8892, 0.2958, 0.4041



8.0444, 0.3252, 0.3238



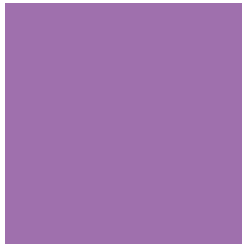
6.6455, 0.5955, 0.3054



0.1931, 0.5131, 0.2600

Previews

White Background



This preview shows how the Yxy color 21.9764, 0.3006, 0.2391 looks on a white background.

Color Contrast Check

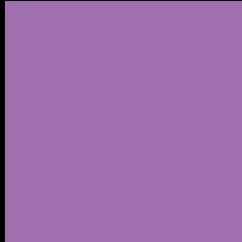
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9764, 0.3006, 0.2391 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

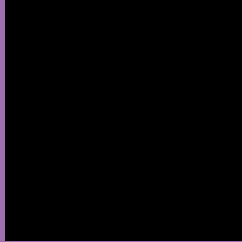
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9764, 0.3006, 0.2391

Background



This preview shows how black text looks on a background with the Yxy color 21.9764, 0.3006, 0.2391.



This preview shows how white text looks on a background with the Yxy color 21.9764, 0.3006, 0.2391.

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

21.9764, 0.3006, 0.2391

Protanopia

22.0610, 0.2439, 0.2349

Deuteranopia

22.0741, 0.2634, 0.2574



Tritanopia

22.0588, 0.3421, 0.3143

Trichromacy



Original Color

21.9764, 0.3006, 0.2391

Protanomaly

21.8445, 0.2611, 0.2356

Deuteranomaly

21.9277, 0.2757, 0.2504

Tritanomaly

22.0008, 0.3258, 0.2846

Monochromacy



Original Color

21.9764, 0.3006, 0.2391

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.5561, 0.3075, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9764, 0.3006, 0.2391 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(159, 112, 173)` looks like.

```
.text, #text, p{  
    color:rgb(159, 112, 173)  
}
```

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(159, 112, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 112, 173) }
```

Border

The CSS property to change the border of an element to Yxy 21.9764, 0.3006, 0.2391 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(159, 112, 173) }
```

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

```
.border{ border-color:rgb(159, 112, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 112, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 112, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 112, 173);  
box-shadow:4px 4px 4px 4px rgb(159, 112,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9764, 0.3006, 0.2391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 112, 173) }
```

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

```
.background{ background-color: rgb(159,  
112, 173) }
```

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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