

Converting Colors

$Y_{xy}(21.9880, 0.3396, 0.2769)$

Have a look what the booklet for
Yxy(21.9880, 0.3396, 0.2769)
contains.

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Color

Yxy(22.1323, 0.3402, 0.2777)

Conversions

Conversions Part 1

Format	Color
Hex	A77193
RGB	167, 113, 147
RGB Percent	65%, 44%, 58%
CMY	0.3450, 0.5569, 0.4235
CMYK	0.00, 0.32, 0.12, 0.34
HSL	322°, 23%, 55%
HSV	322°, 32%, 66%
XYZ	27.1135, 22.1323, 30.4528
YIQ	133.0220, 21.2700, 22.0220

Conversions

Conversions Part 2

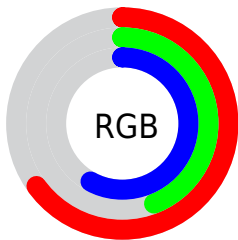
Format	Color
R_{YB}	167, 113, 147
Decimal	10973587
CIE _{Lab}	54.17, 26.70, -9.82
CIE _{LCh}	54, 28.446, 339.815
Yxy	22.1323, 0.3402, 0.2777
Android (android.graphics.Color)	4289163667 (0xFFA77193)
YUV	133.0220, 6.8912, 29.7987
Hunter-Lab	47.0450, 20.5463, -5.4477

Details

The Yxy color $22.1323, 0.3402, 0.2777$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.8518, 0.2928, 0.3868$, and the grayscale version is $23.4334, 0.3127, 0.3290$.

A 20% lighter version of the original color is $46.8153, 0.3346, 0.2878$, and $8.0887, 0.3508, 0.2607$ is the 20% darker color. If you saturate the color by 10%, you get $18.5545, 0.3519, 0.2617$, and if you desaturate by 10%, it is $26.4084, 0.3301, 0.2940$.

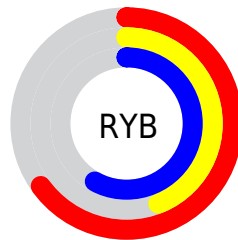
Distribution



Red (65%)

Green (44%)

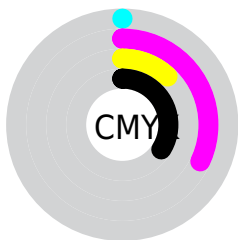
Blue (58%)



Red (65%)

Yellow (44%)

Blue (58%)

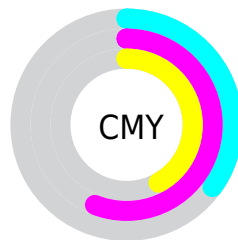


Cyan (0%)

Magenta (32%)

Yellow (12%)

Black (34%)



Cyan (35%)


Magenta (56%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1323, 0.3402, 0.2777 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 22.1323, 0.3402, 0.2777 by changing the saturation by 10% instead.


 22.1323, 0.3402,
0.2777


 22.1323, 0.3402,
0.2777


263.2364, 0.3253,
0.3054

 13.9541, 0.3444,
0.2700


 46.9646, 0.3345,
0.2883


 8.0888, 0.3500,
0.2597


 64.3875, 0.3324,
0.2921

 4.1518, 0.3580,
0.2450

 85.6607, 0.3307,
0.2953

 1.7588, 0.3704,
0.2226

 111.1688, 0.3293,
0.2980

 0.4613, 0.4008,
0.1658

141.2959, 0.3281,
0.3002

 0.0000, 1.0000,
0.0000

176.4267, 0.3270,

 0.0000, 0.0000,

0.3022

0.0000

216.9454, 0.3261,
0.3039

■ 22.1323, 0.3402,
0.2777

■ 22.1323, 0.3402,
0.2777

■ 18.5545, 0.3519,
0.2617

■ 26.4084, 0.3301,
0.2940

■ 15.6342, 0.3651,
0.2468

■ 31.4147, 0.3215,
0.3101

■ 13.3309, 0.3798,
0.2339


■ 37.1850, 0.3143,
0.3255


■ 11.5984, 0.3955,
0.2243


■ 43.7497, 0.3082,
0.3400

■ 10.3838, 0.4120,
0.2188


■ 51.1379, 0.3031,
0.3536

 9.6244, 0.4284,
0.2182

 59.3769, 0.2988,
0.3662

 9.2422, 0.4409,
0.2202

 68.4931, 0.2953,
0.3777

 78.5114, 0.2923,
0.3883

 84.0357, 0.2895,
0.3896

Harmonies

Analogous

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



22.1323, 0.2886, 0.2548



22.1323, 0.3402, 0.2777



22.1323, 0.3871, 0.3122

Triad

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



22.1323, 0.3402, 0.2777



22.1323, 0.3774, 0.4168



22.1323, 0.2221, 0.2926

Complementary

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



22.1323, 0.3402, 0.2777



32.8518, 0.2928, 0.3868

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.



22.1323, 0.2419, 0.3407



22.1323, 0.3402, 0.2777



22.1323, 0.3304, 0.4188

Square

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



22.1323, 0.3402, 0.2777



22.1323, 0.4084, 0.3904



22.1323, 0.2808, 0.3899



22.1323, 0.2241, 0.2603

Rectangle

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



22.1323, 0.3402, 0.2777



22.1323, 0.4073, 0.3387



22.1323, 0.2808, 0.3899



22.1323, 0.2263, 0.3074

Sweetspot

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



22.1333, 0.3402, 0.2777



58.3670, 0.3198, 0.3135



19.5691, 0.2772, 0.2408



12.7637, 0.3209, 0.3114



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



22.1333, 0.3402, 0.2777



34.7966, 0.3486, 0.2659



21.3870, 0.3754, 0.3180



7.6188, 0.3192, 0.3149



7.0791, 0.4394, 0.2194



0.1816, 0.3914, 0.1930

Inverse Universe

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



22.1333, 0.3402, 0.2777



34.7966, 0.3486, 0.2659



33.6902, 0.2726, 0.3406



7.6188, 0.3192, 0.3149



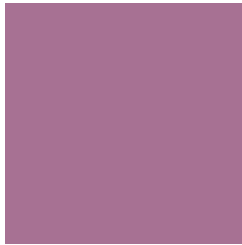
7.0791, 0.4394, 0.2194



0.1816, 0.3914, 0.1930

Previews

White Background



This preview shows how the Yxy color 22.1323, 0.3402, 0.2777 looks on a white background.

Color Contrast Check

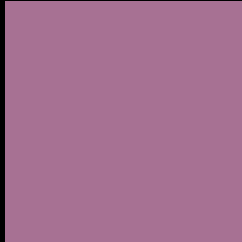
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1323, 0.3402, 0.2777 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

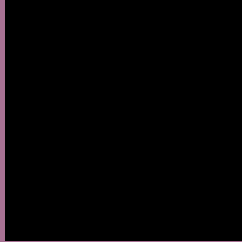
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1323, 0.3402, 0.2777

Background



This preview shows how black text looks on a background with the Yxy color 22.1323, 0.3402, 0.2777.



This preview shows how white text looks on a background with the Yxy color 22.1323, 0.3402, 0.2777.

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

22.1323, 0.3402, 0.2777

Protanopia

22.4199, 0.2791, 0.2812

Deuteranopia

22.2003, 0.3038, 0.2968



Tritanopia

22.1215, 0.3622, 0.3150

Trichromacy



Original Color

22.1323, 0.3402, 0.2777

Protanomaly

22.0413, 0.3000, 0.2796

Deuteranomaly

21.9531, 0.3158, 0.2882

Tritanomaly

22.2113, 0.3535, 0.3012

Monochromacy



Original Color

22.1323, 0.3402, 0.2777

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.7764, 0.3220, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1323, 0.3402, 0.2777 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(167, 113, 147)` looks like.

```
.text, #text, p{  
    color:rgb(167, 113, 147)  
}
```

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(167, 113, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 113, 147) }
```

Border

The CSS property to change the border of an element to Yxy 22.1323, 0.3402, 0.2777 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(167, 113, 147) }
```

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

```
.border{ border-color:rgb(167, 113, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 113, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 113, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 113, 147);  
box-shadow:4px 4px 4px 4px rgb(167, 113,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1323, 0.3402, 0.2777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 113, 147) }
```

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

```
.background{ background-color: rgb(167,  
113, 147) }
```

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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