

Converting Colors

$Y_{xy}(22.4975, 0.3377, 0.2809)$

Have a look what the booklet for
Yxy(22.4975, 0.3377, 0.2809)
contains.

Yxy(22.3674, 0.3373, 0.2803)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.3674, 0.3373, 0.2803)

Conversions

Conversions Part 1

Format	Color
Hex	A57393
RGB	165, 115, 147
RGB Percent	65%, 45%, 58%
CMY	0.3529, 0.5490, 0.4234
CMYK	0.00, 0.30, 0.11, 0.35
HSL	322°, 22%, 55%
HSV	322°, 30%, 65%
XYZ	26.9159, 22.3674, 30.5148
YIQ	133.5980, 19.5280, 20.5520

Conversions

Conversions Part 2

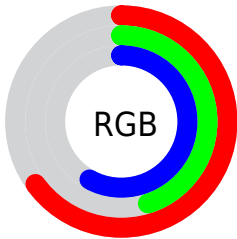
Format	Color
R _Y B	165, 115, 147
Decimal	10843027
CIE Lab	54.41, 24.83, -9.48
CIE LCh	54, 26.578, 339.109
Yxy	22.3674, 0.3373, 0.2803
Android (android.graphics.Color)	4289033107 (0xFFA57393)
YUV	133.5980, 6.6072, 27.5396
Hunter-Lab	47.2942, 18.8224, -5.1487

Details

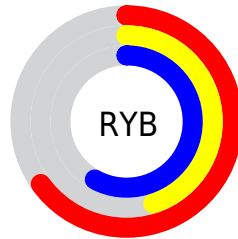
The Yxy color $22.3674, 0.3373, 0.2803$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $32.2475, 0.2944, 0.3834$, and the grayscale version is $23.6560, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.2266, 0.3325, 0.2899$, and $8.1857, 0.3464, 0.2640$ is the 20% darker color. If you saturate the color by 10%, you get $18.7547, 0.3483, 0.2639$, and if you desaturate by 10%, it is $26.6652, 0.3278, 0.2969$.

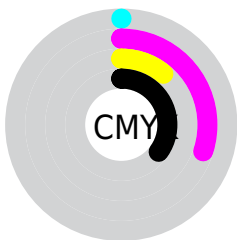
Distribution



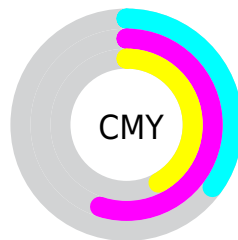
- Red (65%)
- Green (45%)
- Blue (58%)



- Red (65%)
- Yellow (45%)
- Blue (58%)



- Cyan (0%)
- Magenta (30%)
- Yellow (11%)
- Black (35%)





- Cyan (35%)
- Magenta (55%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3674, 0.3373, 0.2803 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 22.3674, 0.3373, 0.2803 by changing the saturation by 10% instead.


 22.3674, 0.3373,
0.2803


 22.3674, 0.3373,
0.2803


264.4590, 0.3240,
0.3066


 14.1271, 0.3410,
0.2730


 47.3525, 0.3322,
0.2904

 8.2091, 0.3460,
0.2631


 64.8661, 0.3304,
0.2940

 4.2291, 0.3532,
0.2491

 86.2395, 0.3288,
0.2970

 1.8025, 0.3642,
0.2277

 111.8573, 0.3276,
0.2995

 0.4887, 0.3908,
0.1749

142.1037, 0.3265,
0.3017

 0.0000, 1.0000,
0.0000

177.3632, 0.3255,

 0.0000, 0.0000,

0.3036

0.0000

218.0201, 0.3247,
0.3052

■ 22.3674, 0.3373,
0.2803

■ 22.3674, 0.3373,
0.2803

■ 18.7547, 0.3483,
0.2639

■ 26.6652, 0.3278,
0.2969

■ 15.7881, 0.3608,
0.2485

■ 31.6786, 0.3197,
0.3130

■ 13.4290, 0.3746,
0.2349


■ 37.4397, 0.3129,
0.3285

■ 11.6338, 0.3897,
0.2243


■ 43.9779, 0.3072,
0.3431


■ 10.3528, 0.4054,
0.2177


■ 51.3209, 0.3024,
0.3567


 9.5275, 0.4212,
0.2158

 59.4951, 0.2984,
0.3693

 9.0337, 0.4364,
0.2178

 68.5258, 0.2951,
0.3809

 78.4369, 0.2923,
0.3915

 83.7080, 0.2896,
0.3925

Harmonies

Analogous

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



22.3674, 0.2893, 0.2591



22.3674, 0.3373, 0.2803



22.3674, 0.3811, 0.3127

Triad

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



22.3674, 0.3373, 0.2803



22.3674, 0.3742, 0.4105



22.3674, 0.2280, 0.2963

Complementary

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



22.3674, 0.3373, 0.2803



32.2475, 0.2944, 0.3834

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.



22.3674, 0.2473, 0.3412



22.3674, 0.3373, 0.2803



22.3674, 0.3306, 0.4125

Square

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



22.3674, 0.3373, 0.2803



22.3674, 0.4024, 0.3860



22.3674, 0.2842, 0.3863



22.3674, 0.2294, 0.2655

Rectangle

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



22.3674, 0.3373, 0.2803



22.3674, 0.4003, 0.3376



22.3674, 0.2842, 0.3863



22.3674, 0.2322, 0.3102

Sweetspot

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



22.3684, 0.3373, 0.2803



57.8398, 0.3189, 0.3149



19.9242, 0.2790, 0.2469



12.3506, 0.3199, 0.3126



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



22.3684, 0.3373, 0.2803



35.8085, 0.3441, 0.2698



21.6784, 0.3688, 0.3174



7.1588, 0.3190, 0.3147



6.8439, 0.4349, 0.2170



0.1523, 0.3846, 0.1892

Inverse Universe

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



22.3684, 0.3373, 0.2803



35.8085, 0.3441, 0.2698



33.0063, 0.2755, 0.3412



7.1588, 0.3190, 0.3147



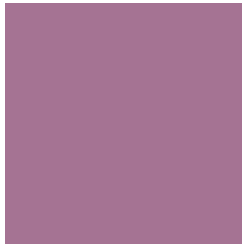
6.8439, 0.4349, 0.2170



0.1523, 0.3846, 0.1892

Previews

White Background



This preview shows how the Yxy color 22.3674, 0.3373, 0.2803 looks on a white background.

Color Contrast Check

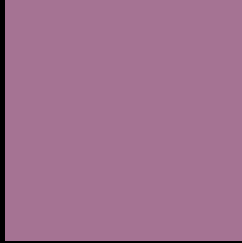
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3674, 0.3373, 0.2803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

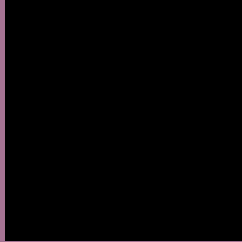
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.3674, 0.3373, 0.2803

Background



This preview shows how black text looks on a background with the Yxy color 22.3674, 0.3373, 0.2803.



This preview shows how white text looks on a background with the Yxy color 22.3674, 0.3373, 0.2803.

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

22.3674, 0.3373, 0.2803

Protanopia

22.4608, 0.2810, 0.2829

Deuteranopia

22.4573, 0.3038, 0.2985



Tritanopia

22.5387, 0.3577, 0.3150

Trichromacy



Original Color

22.3674, 0.3373, 0.2803

Protanomaly

22.2907, 0.3000, 0.2813

Deuteranomaly

22.4443, 0.3157, 0.2915

Tritanomaly

22.5986, 0.3504, 0.3027

Monochromacy



Original Color

22.3674, 0.3373, 0.2803

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0626, 0.3207, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3674, 0.3373, 0.2803 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(165, 115, 147)` looks like.

```
.text, #text, p{  
    color:rgb(165, 115, 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(165, 115, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 115, 147) }
```

Border

The CSS property to change the border of an element to Yxy 22.3674, 0.3373, 0.2803 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(165, 115, 147) }
```

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

```
.border{ border-color:rgb(165, 115, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 115, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 115, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 115, 147);  
box-shadow:4px 4px 4px 4px rgb(165, 115,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3674, 0.3373, 0.2803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 115, 147) }
```

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

```
.background{ background-color: rgb(165,  
115, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor