

Converting Colors

$Y_{xy}(22.2624, 0.3028, 0.2421)$

Have a look what the booklet for
Yxy(22.2624, 0.3028, 0.2421)
contains.

Yxy(22.2624, 0.3028, 0.2421)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(22.2624, 0.3028, 0.2421)

Conversions

Conversions Part 1

Format	Color
Hex	A071AC
RGB	160, 113, 172
RGB Percent	63%, 44%, 67%
CMY	0.3726, 0.5568, 0.3256
CMYK	0.07, 0.34, 0.00, 0.33
HSL	288°, 26%, 56%
HSV	288°, 34%, 67%
XYZ	27.8441, 22.2624, 41.8489
YIQ	133.7790, 9.0730, 28.3130

Conversions

Conversions Part 2

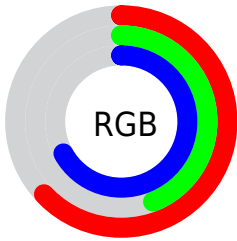
Format	Color
RYB	160, 113, 172
Decimal	10514860
CIELab	54.30, 29.04, -24.20
CIELCh	54, 37.800, 320.194
Yxy	22.2624, 0.3028, 0.2421
Android (android.graphics.Color)	4288704940 (0xFFA071AC)
YUV	133.7790, 18.8430, 22.9958
Hunter-Lab	47.1830, 22.7677, -19.5590

Details

The Yxy color **22.2624, 0.3028, 0.2421** is a light color, and the websafe version is hex **996699**. A complement of this color would be **35.0513, 0.3184, 0.4261**, and the grayscale version is **23.6823, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9588, 0.3049, 0.2580**, and **8.1245, 0.2972, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **18.4265, 0.2987, 0.2166**, and if you desaturate by 10%, it is **26.8376, 0.3063, 0.2682**.

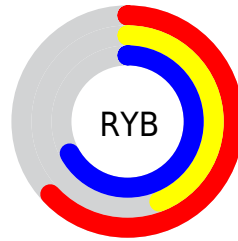
Distribution



Red (63%)

Green (44%)

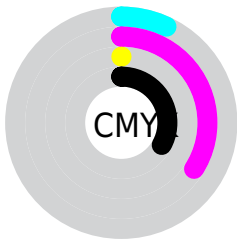
Blue (67%)



Red (63%)

Yellow (44%)

Blue (67%)

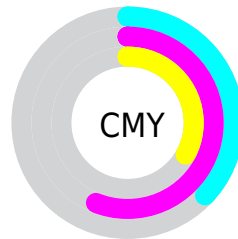


Cyan (7%)

Magenta (34%)

Yellow (0%)

Black (33%)



Cyan (37%)


Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2624, 0.3028, 0.2421 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 22.2624, 0.3028, 0.2421 by changing the saturation by 10% instead.


 22.2624, 0.3028,
0.2421


 22.2624, 0.3028,
0.2421


263.9135, 0.3094,
0.2877


 14.0498, 0.3005,
0.2301


 47.1793, 0.3056,
0.2591

 8.1553, 0.2971,
0.2144


 64.6524, 0.3066,
0.2654

 4.1945, 0.2918,
0.1931


 85.9812, 0.3073,
0.2706

 1.7830, 0.2824,
0.1627

 111.5500, 0.3079,
0.2751

 0.4765, 0.2672,
0.1058

141.7433, 0.3084,
0.2789

 0.0000, 0.0982,
0.0000

176.9453, 0.3088,

 0.0000, 0.0000,

0.2822

0.0000

217.5406, 0.3091,
0.2851

■ 22.2624, 0.3028,
0.2421

■ 22.2624, 0.3028,
0.2421

■ 18.4265, 0.2987,
0.2166

■ 26.8376, 0.3063,
0.2682

■ 15.2856, 0.2941,
0.1926

■ 32.1872, 0.3093,
0.2939

■ 12.7955, 0.2892,
0.1711


■ 38.3475, 0.3118,
0.3188


■ 10.9052, 0.2839,
0.1532


■ 45.3518, 0.3138,
0.3422

■ 9.5563, 0.2785,
0.1395


■ 53.2313, 0.3154,
0.3641

 8.6785, 0.2732,
0.1303

 62.0158, 0.3166,
0.3842

 8.2946, 0.2701,
0.1262

 71.7336, 0.3175,
0.4026

 82.4117, 0.3182,
0.4192

 85.6364, 0.3199,
0.4227

Harmonies

Analogous

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



22.2624, 0.2434, 0.2257



22.2624, 0.3028, 0.2421



22.2624, 0.3720, 0.2764

Triad

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



22.2624, 0.3028, 0.2421



22.2624, 0.4264, 0.4212



22.2624, 0.2088, 0.3191

Complementary

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



22.2624, 0.3028, 0.2421



35.0513, 0.3184, 0.4261

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.



22.2624, 0.2500, 0.3898



22.2624, 0.3028, 0.2421



22.2624, 0.3755, 0.4508

Square

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



22.2624, 0.3028, 0.2421



22.2624, 0.4473, 0.3737



22.2624, 0.3108, 0.4423



22.2624, 0.1941, 0.2622

Rectangle

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



22.2624, 0.3028, 0.2421



22.2624, 0.4122, 0.3064



22.2624, 0.3108, 0.4423



22.2624, 0.2197, 0.3424

Sweetspot

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



22.2634, 0.3028, 0.2421



62.8155, 0.3104, 0.3043



21.3582, 0.2550, 0.2511



13.3285, 0.3101, 0.3009



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.



22.2634, 0.3028, 0.2421



35.0893, 0.2998, 0.2230



22.9581, 0.3361, 0.2674



8.0646, 0.3106, 0.3064



6.1977, 0.2707, 0.1265



0.1930, 0.2868, 0.1354

Inverse Universe

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



22.0634, 0.3752, 0.3110



34.7597, 0.3954, 0.3071



34.6136, 0.2955, 0.4000



8.0410, 0.3256, 0.3244



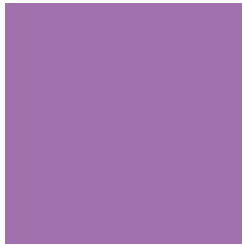
6.6237, 0.6031, 0.3096



0.1918, 0.5241, 0.2661

Previews

White Background



This preview shows how the Yxy color 22.2624, 0.3028, 0.2421 looks on a white background.

Color Contrast Check

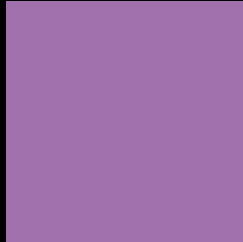
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2624, 0.3028, 0.2421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

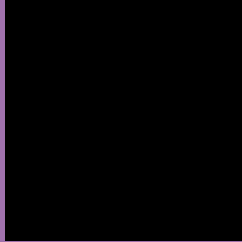
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2624, 0.3028, 0.2421

Background



This preview shows how black text looks on a background with the Yxy color 22.2624, 0.3028, 0.2421.



This preview shows how white text looks on a background with the Yxy color 22.2624, 0.3028, 0.2421.

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

22.2624, 0.3028, 0.2421

Protanopia

22.4097, 0.2465, 0.2383

Deuteranopia

22.4405, 0.2663, 0.2609



Tritanopia

22.1835, 0.3421, 0.3128

Trichromacy



Original Color

22.2624, 0.3028, 0.2421

Protanomaly

22.2070, 0.2640, 0.2390

Deuteranomaly

22.3024, 0.2788, 0.2539

Tritanomaly

22.1001, 0.3270, 0.2848

Monochromacy



Original Color

22.2624, 0.3028, 0.2421

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

22.8995, 0.3086, 0.2928

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2624, 0.3028, 0.2421 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(160, 113, 172)` looks like.

```
.text, #text, p{  
    color:rgb(160, 113, 172)  
}
```

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(160, 113, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 113, 172) }
```

Border

The CSS property to change the border of an element to Yxy 22.2624, 0.3028, 0.2421 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(160, 113, 172) }
```

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

```
.border{ border-color:rgb(160, 113, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 113, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 113, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 113, 172);  
box-shadow:4px 4px 4px 4px rgb(160, 113,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2624, 0.3028, 0.2421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 113, 172) }
```

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

```
.background{ background-color: rgb(160,  
113, 172) }
```

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