

Converting Colors

$Y_{xy}(22.4902, 0.3408, 0.2726)$

Have a look what the booklet for
Yxy(22.4902, 0.3408, 0.2726)
contains.

Yxy(22.4483, 0.3416, 0.2729)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4483, 0.3416, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	AB7096
RGB	171, 112, 150
RGB Percent	67%, 44%, 59%
CMY	0.3293, 0.5608, 0.4117
CMYK	0.00, 0.35, 0.12, 0.33
HSL	321°, 26%, 55%
HSV	321°, 35%, 67%
XYZ	28.0994, 22.4483, 31.7106
YIQ	133.9730, 22.9660, 24.3260

Conversions

Conversions Part 2

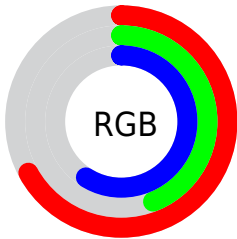
Format	Color
R_{YB}	171, 112, 150
Decimal	11235478
CIE _{Lab}	54.50, 29.21, -11.02
CIE _{LCh}	54, 31.218, 339.331
Yxy	22.4483, 0.3416, 0.2729
Android (android.graphics.Color)	4289425558 (0xFFAB7096)
YUV	133.9730, 7.9013, 32.4727
Hunter-Lab	47.3796, 22.9487, -6.5163

Details

The Yxy color $22.4483, 0.3416, 0.2729$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $34.2753, 0.2922, 0.3930$, and the grayscale version is $23.7946, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.6008, 0.3355, 0.2850$, and $8.3074, 0.3527, 0.2548$ is the 20% darker color. If you saturate the color by 10%, you get $18.8362, 0.3531, 0.2567$, and if you desaturate by 10%, it is $26.7895, 0.3315, 0.2896$.

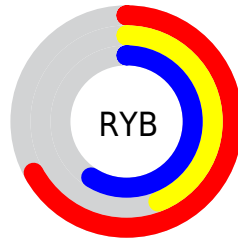
Distribution



Red (67%)

Green (44%)

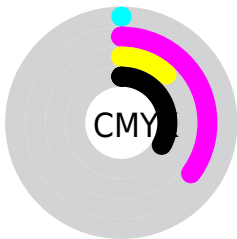
Blue (59%)



Red (67%)

Yellow (44%)

Blue (59%)

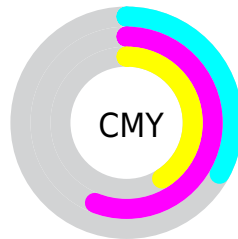


Cyan (0%)

Magenta (35%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (56%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4483, 0.3416, 0.2729 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 22.4483, 0.3416, 0.2729 by changing the saturation by 10% instead.


 22.4483, 0.3416,
0.2729


 22.4483, 0.3416,
0.2729


264.8785, 0.3260,
0.3030


 14.1867, 0.3459,
0.2646


 47.4858, 0.3357,
0.2844

 8.2506, 0.3517,
0.2536


 65.0305, 0.3335,
0.2885

 4.2557, 0.3598,
0.2380


 86.4384, 0.3317,
0.2920

 1.8176, 0.3722,
0.2145

 112.0937, 0.3302,
0.2949

 0.4981, 0.3999,
0.1612

142.3811, 0.3290,
0.2973

 0.0000, 0.5557,
0.0000

177.6847, 0.3279,

 0.0000, 0.0000,

0.2995

0.0000

218.3891, 0.3269,
0.3014

■ 22.4483, 0.3416,
0.2729

■ 22.4483, 0.3416,
0.2729

■ 18.8362, 0.3531,
0.2567

■ 26.7895, 0.3315,
0.2896

■ 15.9093, 0.3662,
0.2419

■ 31.8943, 0.3229,
0.3061

■ 13.6236, 0.3805,
0.2294

■ 37.7988, 0.3156,
0.3221

■ 11.9288, 0.3957,
0.2203


■ 44.5359, 0.3095,
0.3372

■ 10.7669, 0.4114,
0.2156

■ 52.1366, 0.3043,
0.3513

 10.0679, 0.4269,
0.2159

 60.6303, 0.3000,
0.3644

 9.7904, 0.4355,
0.2173

 70.0450, 0.2965,
0.3765

 80.4074, 0.2935,
0.3875

 84.5801, 0.2905,
0.3866

Harmonies

Analogous

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



22.4483, 0.2854, 0.2485



22.4483, 0.3416, 0.2729



22.4483, 0.3934, 0.3098

Triad

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



22.4483, 0.3416, 0.2729



22.4483, 0.3835, 0.4243



22.4483, 0.2147, 0.2896

Complementary

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



22.4483, 0.3416, 0.2729



34.2753, 0.2922, 0.3930

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.



22.4483, 0.2362, 0.3424



22.4483, 0.3416, 0.2729



22.4483, 0.3323, 0.4279

Square

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



22.4483, 0.3416, 0.2729



22.4483, 0.4172, 0.3945



22.4483, 0.2785, 0.3967



22.4483, 0.2166, 0.2546

Rectangle

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



22.4483, 0.3416, 0.2729



22.4483, 0.4158, 0.3382



22.4483, 0.2785, 0.3967



22.4483, 0.2193, 0.3057

Sweetspot

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



22.4493, 0.3416, 0.2729



61.5121, 0.3196, 0.3131



19.4853, 0.2731, 0.2338



13.4017, 0.3206, 0.3109



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.



22.4493, 0.3416, 0.2729



35.4039, 0.3498, 0.2612



21.6236, 0.3801, 0.3157



8.0989, 0.3190, 0.3145



7.3878, 0.4340, 0.2165



0.2154, 0.3919, 0.1933

Inverse Universe

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



22.4493, 0.3416, 0.2729



35.4039, 0.3498, 0.2612



35.1965, 0.2709, 0.3431



8.0989, 0.3190, 0.3145



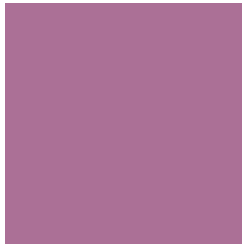
7.3878, 0.4340, 0.2165



0.2154, 0.3919, 0.1933

Previews

White Background



This preview shows how the Yxy color 22.4483, 0.3416, 0.2729 looks on a white background.

Color Contrast Check

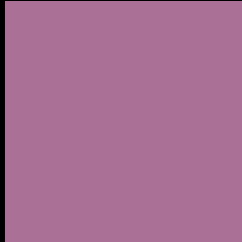
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4483, 0.3416, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

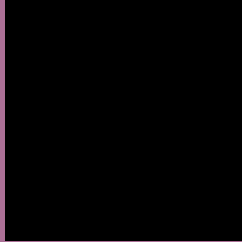
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4483, 0.3416, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 22.4483, 0.3416, 0.2729.



This preview shows how white text looks on a background with the Yxy color 22.4483, 0.3416, 0.2729.

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

22.4483, 0.3416, 0.2729

Protanopia

22.5201, 0.2735, 0.2733

Deuteranopia

22.5196, 0.3017, 0.2953



Tritanopia

22.5281, 0.3686, 0.3168

Trichromacy



Original Color

22.4483, 0.3416, 0.2729

Protanomaly

22.2100, 0.2948, 0.2720

Deuteranomaly

22.4467, 0.3159, 0.2871

Tritanomaly

22.4177, 0.3588, 0.3002

Monochromacy



Original Color

22.4483, 0.3416, 0.2729

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.0182, 0.3221, 0.3060

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4483, 0.3416, 0.2729 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(171, 112, 150)` looks like.

```
.text, #text, p{  
    color:rgb(171, 112, 150)  
}
```

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(171, 112, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 112, 150) }
```

Border

The CSS property to change the border of an element to Yxy 22.4483, 0.3416, 0.2729 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(171, 112, 150) }
```

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

```
.border{ border-color:rgb(171, 112, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 112, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 112, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 112, 150);  
box-shadow:4px 4px 4px 4px rgb(171, 112,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4483, 0.3416, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 112, 150) }
```

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

```
.background{ background-color: rgb(171,  
112, 150) }
```

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