

Converting Colors

$Y_{xy}(18.0034, 0.2571, 0.2225)$

Have a look what the booklet for
Yxy(18.0034, 0.2571, 0.2225)
contains.

Yxy(17.9475, 0.2575, 0.2226)	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(17.9475, 0.2575, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	786DAD
RGB	120, 109, 173
RGB Percent	47%, 43%, 68%
CMY	0.5293, 0.5726, 0.3215
CMYK	0.31, 0.37, 0.00, 0.32
HSL	250°, 28%, 55%
HSV	250°, 37%, 68%
XYZ	20.7614, 17.9475, 41.9178
YIQ	119.5850, -13.9880, 22.2360

Conversions

Conversions Part 2

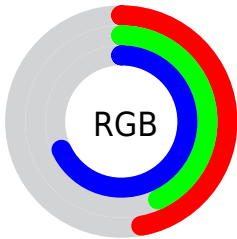
Format	Color
R _Y B	120, 109, 173
Decimal	7892397
CIE Lab	49.43, 19.09, -32.68
CIE LCh	49, 37.844, 300.287
Yxy	17.9475, 0.2575, 0.2226
Android (android.graphics.Color)	4286082477 (0xFF786DAD)
YUV	119.5850, 26.3336, 0.3640
Hunter-Lab	42.3645, 13.3388, -29.0097

Details

The Yxy color **17.9475, 0.2575, 0.2226** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **38.6815, 0.3564, 0.4227**, and the grayscale version is **18.5624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1456, 0.2703, 0.2447**, and **5.9588, 0.2348, 0.1862** is the 20% darker color. If you saturate the color by 10%, you get **13.6645, 0.2390, 0.1893**, and if you desaturate by 10%, it is **23.1117, 0.2748, 0.2547**.

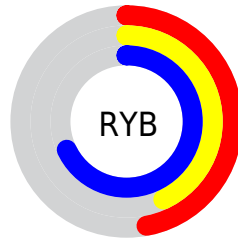
Distribution



Red (47%)

Green (43%)

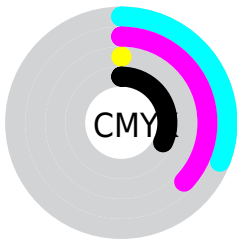
Blue (68%)



Red (47%)

Yellow (43%)

Blue (68%)

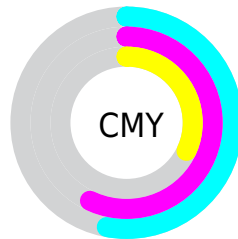


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (32%)



Cyan (53%)


Magenta (57%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9475, 0.2575, 0.2226 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 17.9475, 0.2575, 0.2226 by changing the saturation by 10% instead.


 17.9475, 0.2575,
0.2226


 17.9475, 0.2575,
0.2226


240.5750, 0.2895,
0.2800


 10.9123, 0.2479,
0.2071


 39.9478, 0.2703,
0.2444


 6.0079, 0.2346,
0.1867


 55.6818, 0.2747,
0.2523

 2.8499, 0.2151,
0.1590

 75.0841, 0.2783,
0.2588

 1.0539, 0.1848,
0.1201

 98.5392, 0.2813,
0.2644

 0.0000, 0.1253,
0.0000

126.4314, 0.2839,
0.2691

 0.0000, 0.0000,
0.0000

159.1452, 0.2860,

0.2732

197.0649, 0.2879,
0.2768

■ 17.9475, 0.2575,
0.2226

■ 17.9475, 0.2575,
0.2226

■ 13.6645, 0.2390,
0.1893

■ 23.1117, 0.2748,
0.2547

■ 10.2109, 0.2199,
0.1563

■ 29.2006, 0.2903,
0.2846

■ 7.5329, 0.2014,
0.1256

■ 36.2576, 0.3041,
0.3117

■ 5.5691, 0.1845,
0.0995

■ 44.3224, 0.3161,
0.3359

■ 4.2490, 0.1706,
0.0798

■ 53.4326, 0.3265,
0.3573

■ 3.4722, 0.1604,
0.0674

■ 63.6240, 0.3353,
0.3760

■ 3.2913, 0.1580,
0.0644

■ 74.9305, 0.3428,
0.3924

■ 87.3846, 0.3493,
0.4066

■ 94.6623, 0.3573,
0.4107

Harmonies

Analogous

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



17.9475, 0.2095, 0.2200



17.9475, 0.2575, 0.2226



17.9475, 0.3266, 0.2469

Triad

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



17.9475, 0.2575, 0.2226



17.9475, 0.4539, 0.3936



17.9475, 0.2275, 0.3688

Complementary

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



17.9475, 0.2575, 0.2226



38.6815, 0.3564, 0.4227

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.



17.9475, 0.2866, 0.4374



17.9475, 0.2575, 0.2226



17.9475, 0.4182, 0.4409

Square

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



17.9475, 0.2575, 0.2226



17.9475, 0.4484, 0.3396



17.9475, 0.3565, 0.4629



17.9475, 0.1934, 0.2944

Rectangle

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



17.9475, 0.2575, 0.2226



17.9475, 0.3765, 0.2729



17.9475, 0.3565, 0.4629



17.9475, 0.2450, 0.3944

Sweetspot

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



17.9482, 0.2575, 0.2226



59.4137, 0.2986, 0.3007



32.2340, 0.2595, 0.3117



12.5542, 0.2968, 0.2972



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.



17.9482, 0.2575, 0.2226



26.0503, 0.2432, 0.1968



20.5980, 0.2922, 0.2323



7.8211, 0.3011, 0.3057



2.4351, 0.1587, 0.0648



0.0872, 0.1843, 0.0789

Inverse Universe

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



22.4308, 0.3298, 0.2531



35.2712, 0.3343, 0.2378



35.7733, 0.3261, 0.4326



8.1240, 0.3163, 0.3104



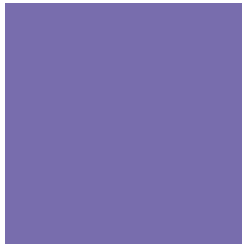
7.9954, 0.3691, 0.1807



0.2286, 0.3522, 0.1714

Previews

White Background



This preview shows how the Yxy color 17.9475, 0.2575, 0.2226 looks on a white 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

Black Background



This preview shows how the Yxy color 17.9475, 0.2575, 0.2226 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

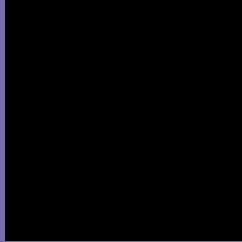
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9475, 0.2575, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 17.9475, 0.2575, 0.2226.

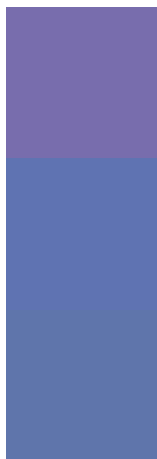


This preview shows how white text looks on a background with the Yxy color 17.9475, 0.2575, 0.2226.

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

17.9475, 0.2575, 0.2226

Protanopia

17.9087, 0.2321, 0.2201

Deuteranopia

18.0957, 0.2376, 0.2333



Tritanopia

17.8949, 0.2929, 0.3096

Trichromacy



Original Color

17.9475, 0.2575, 0.2226

Protanomaly

17.8879, 0.2406, 0.2213

Deuteranomaly

17.9562, 0.2439, 0.2284

Tritanomaly

17.8525, 0.2792, 0.2754

Monochromacy



Original Color

17.9475, 0.2575, 0.2226

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.3479, 0.2915, 0.2868

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9475, 0.2575, 0.2226 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(120, 109, 173)` looks like.

```
.text, #text, p{  
    color:rgb(120, 109, 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(120, 109, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 109, 173) }
```

Border

The CSS property to change the border of an element to Yxy 17.9475, 0.2575, 0.2226 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(120, 109, 173) }
```

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

```
.border{ border-color:rgb(120, 109, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 109, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 109, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 109, 173);  
box-shadow:4px 4px 4px 4px rgb(120, 109,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9475, 0.2575, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 109, 173) }
```

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

```
.background{ background-color: rgb(120,  
109, 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](#).

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