

Converting Colors

$Y_{xy}(12.8764, 0.2779, 0.2187)$

Have a look what the booklet for
Yxy(12.8764, 0.2779, 0.2187)
contains.

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Color

Yxy(12.8764, 0.2779, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	775794
RGB	119, 87, 148
RGB Percent	47%, 34%, 58%
CMY	0.5333, 0.6588, 0.4196
CMYK	0.20, 0.41, 0.00, 0.42
HSL	271°, 26%, 46%
HSV	271°, 41%, 58%
XYZ	16.3619, 12.8764, 29.6387
YIQ	103.5220, -0.5090, 25.7550

Conversions

Conversions Part 2

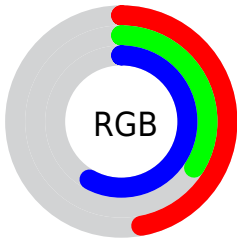
Format	Color
R_{YB}	119, 87, 148
Decimal	7821204
CIE _{Lab}	42.58, 25.66, -28.62
CIE _{LCh}	43, 38.441, 311.874
Yxy	12.8764, 0.2779, 0.2187
Android (android.graphics.Color)	4286011284 (0xFF775794)
YUV	103.5220, 21.9277, 13.5742
Hunter-Lab	35.8837, 18.5943, -23.8529

Details

The Yxy color **12.8764, 0.2779, 0.2187** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.5791, 0.3363, 0.4409**, and the grayscale version is **13.6503, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.9262, 0.2873, 0.2426**, and **3.7142, 0.2591, 0.1780** is the 20% darker color. If you saturate the color by 10%, you get **10.2418, 0.2667, 0.1903**, and if you desaturate by 10%, it is **16.0402, 0.2881, 0.2473**.

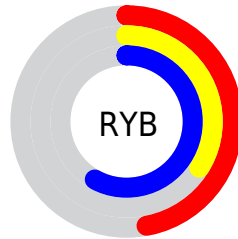
Distribution



Red (47%)

Green (34%)

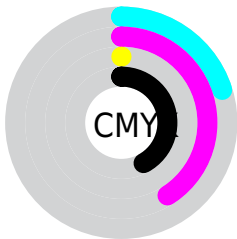
Blue (58%)



Red (47%)

Yellow (34%)

Blue (58%)

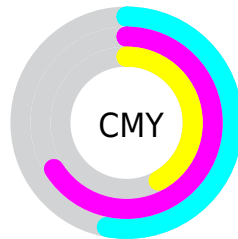


Cyan (20%)

Magenta (41%)

Yellow (0%)

Black (42%)



Cyan (53%)

Magenta (66%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8764, 0.2779, 0.2187 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 12.8764, 0.2779, 0.2187 by changing the saturation by 10% instead.

■ 12.8764, 0.2779,
0.2187

■ 12.8764, 0.2779,
0.2187

■ 210.1240, 0.2999,
0.2805

■ 7.3435, 0.2703,
0.2010

■ 31.0816, 0.2873,
0.2428

■ 3.6778, 0.2588,
0.1770

■ 44.5226, 0.2904,
0.2514

■ 1.4950, 0.2403,
0.1433

■ 61.3684, 0.2928,
0.2584

■ 0.2852, 0.2129,
0.0676

■ 82.0035, 0.2948,
0.2643

■ 0.0000, 0.0000,
0.0000

■ 106.8122, 0.2964,
0.2692

136.1790, 0.2978,

0.2735

170.4881, 0.2989,
0.2772

■ 12.8764, 0.2779,
0.2187

■ 12.8764, 0.2779,
0.2187

■ 10.2418, 0.2667,
0.1903

■ 16.0402, 0.2881,
0.2473

■ 8.1038, 0.2547,
0.1632

■ 19.7600, 0.2972,
0.2752

■ 6.4286, 0.2423,
0.1388


■ 24.0627, 0.3052,
0.3016


■ 5.1771, 0.2301,
0.1184

■ 28.9730, 0.3120,
0.3262

■ 4.3036, 0.2185,
0.1030


■ 34.5141, 0.3177,
0.3487

 3.7437, 0.2089,
0.0924

 40.7080, 0.3226,
0.3691

 47.5754, 0.3266,
0.3876

 55.1364, 0.3299,
0.4041

 63.4101, 0.3327,
0.4189

Harmonies

Analogous

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



12.8764, 0.2146, 0.2059



12.8764, 0.2779, 0.2187



12.8764, 0.3610, 0.2532

Triad

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



12.8764, 0.2779, 0.2187



12.8764, 0.4598, 0.4210



12.8764, 0.1985, 0.3389

Complementary

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



12.8764, 0.2779, 0.2187



25.5791, 0.3363, 0.4409

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.



12.8764, 0.2541, 0.4272



12.8764, 0.2779, 0.2187



12.8764, 0.4050, 0.4688

Square

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



12.8764, 0.2779, 0.2187



12.8764, 0.4746, 0.3618



12.8764, 0.3298, 0.4785



12.8764, 0.1739, 0.2625

Rectangle

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



12.8764, 0.2779, 0.2187



12.8764, 0.4151, 0.2855



12.8764, 0.3298, 0.4785



12.8764, 0.2138, 0.3691

Sweetspot

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



12.8769, 0.2779, 0.2187



41.6334, 0.3044, 0.2990



16.7663, 0.2481, 0.2671



9.2954, 0.3035, 0.2960



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



12.8769, 0.2779, 0.2187



18.5986, 0.2681, 0.1937



15.2178, 0.3187, 0.2322



5.7737, 0.3066, 0.3067



3.2142, 0.2095, 0.0928



0.0569, 0.2575, 0.1192

Inverse Universe

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



14.3725, 0.3649, 0.2794



21.7130, 0.3814, 0.2692



23.9100, 0.3061, 0.4496



5.8585, 0.3213, 0.3185



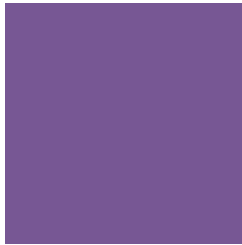
5.7644, 0.5012, 0.2535



0.0764, 0.4097, 0.2030

Previews

White Background



This preview shows how the Yxy color 12.8764, 0.2779, 0.2187 looks on a white background.

Color Contrast Check

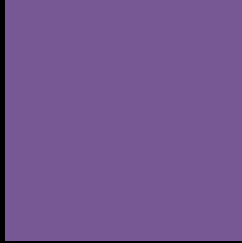
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8764, 0.2779, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

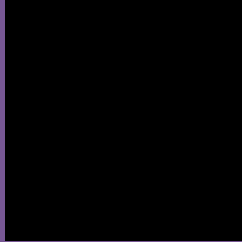
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8764, 0.2779, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 12.8764, 0.2779, 0.2187.



This preview shows how white text looks on a background with the Yxy color 12.8764, 0.2779, 0.2187.

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

12.8764, 0.2779, 0.2187

Protanopia

13.0546, 0.2270, 0.2138

Deuteranopia

12.9977, 0.2414, 0.2370



Tritanopia

12.9936, 0.3254, 0.3143

Trichromacy



Original Color

12.8764, 0.2779, 0.2187

Protanomaly

12.8972, 0.2434, 0.2159

Deuteranomaly

12.7465, 0.2529, 0.2286

Tritanomaly

12.8296, 0.3079, 0.2748

Monochromacy



Original Color

12.8764, 0.2779, 0.2187

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.3426, 0.2992, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8764, 0.2779, 0.2187 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(119, 87, 148)` looks like.

```
.text, #text, p{  
    color:rgb(119, 87, 148)  
}
```

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(119, 87, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 87, 148) }
```

Border

The CSS property to change the border of an element to Yxy 12.8764, 0.2779, 0.2187 is called "border". The border property can be set on classes, ids or directly on the HTML element.

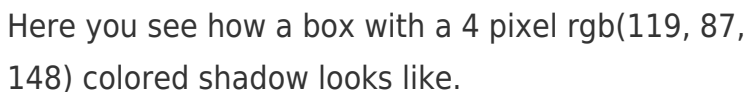
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(119, 87, 148) }
```

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

```
.border{ border-color:rgb(119, 87, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(119, 87, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 87, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 87, 148); box-shadow:4px 4px 4px 4px rgb(119, 87, 148) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8764, 0.2779, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 87, 148) }
```

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

```
.background{ background-color: rgb(119, 87,  
148) }
```

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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