

Converting Colors

$Y_{xy}(12.3583, 0.3062, 0.2507)$

Have a look what the booklet for
Yxy(12.3583, 0.3062, 0.2507)
contains.

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Color

Yxy(12.4399, 0.3059, 0.2505)

Conversions

Conversions Part 1

Format	Color
Hex	795780
RGB	121, 87, 128
RGB Percent	47%, 34%, 50%
CMY	0.5255, 0.6588, 0.4980
CMYK	0.05, 0.32, 0.00, 0.50
HSL	290°, 19%, 42%
HSV	290°, 32%, 50%
XYZ	15.1911, 12.4399, 22.0293
YIQ	101.8400, 7.1030, 19.9590

Conversions

Conversions Part 2

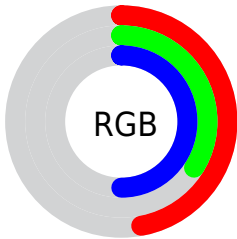
Format	Color
R_{YB}	121, 87, 128
Decimal	7952256
CIE _{Lab}	41.91, 21.75, -17.57
CIE _{LCh}	42, 27.958, 321.059
Yxy	12.4399, 0.3059, 0.2505
Android (android.graphics.Color)	4286142336 (0xFF795780)
YUV	101.8400, 12.8969, 16.8033
Hunter-Lab	35.2702, 15.1580, -12.3425

Details

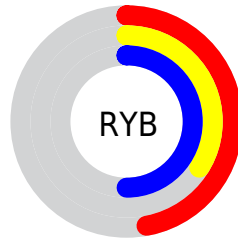
The Yxy color **12.4399, 0.3059, 0.2505** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.5121, 0.3165, 0.4167**, and the grayscale version is **13.2080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2262, 0.3083, 0.2682**, and **3.5281, 0.3006, 0.2174** is the 20% darker color. If you saturate the color by 10%, you get **10.3917, 0.3029, 0.2257**, and if you desaturate by 10%, it is **14.8604, 0.3085, 0.2756**.

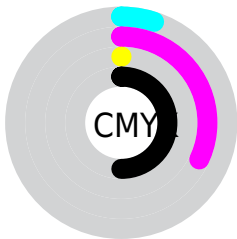
Distribution



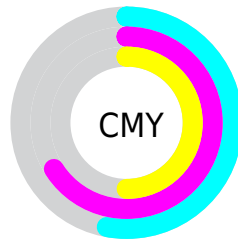
- Red (47%)
- Green (34%)
- Blue (50%)



- Red (47%)
- Yellow (34%)
- Blue (50%)



- Cyan (5%)
- Magenta (32%)
- Yellow (0%)
- Black (50%)





- Cyan (53%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4399, 0.3059, 0.2505 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 12.4399, 0.3059, 0.2505 by changing the saturation by 10% instead.


 12.4399, 0.3059,
0.2505


 12.4399, 0.3059,
0.2505


207.2962, 0.3109,
0.2958

 7.0440, 0.3037,
0.2367


 30.2938, 0.3083,
0.2687


 3.4896, 0.3001,
0.2171

 43.5206, 0.3090,
0.2750


 1.3924, 0.2933,
0.1874

 60.1265, 0.3095,
0.2801

 0.2111, 0.2938,
0.0848

 80.4959, 0.3099,
0.2843

 0.0000, 0.0000,
0.0000

 105.0131, 0.3102,
0.2878

134.0627, 0.3105,

0.2909

168.0289, 0.3107,
0.2935

■ 12.4399, 0.3059,
0.2505

■ 12.4399, 0.3059,
0.2505

■ 10.3917, 0.3029,
0.2257

■ 14.8604, 0.3085,
0.2756

■ 8.6948, 0.2994,
0.2022

■ 17.6696, 0.3107,
0.3004

■ 7.3285, 0.2956,
0.1809


■ 20.8850, 0.3124,
0.3243


■ 6.2691, 0.2914,
0.1626


■ 24.5223, 0.3138,
0.3468


■ 5.4901, 0.2871,
0.1481

■ 28.5965, 0.3149,
0.3679


 4.9601, 0.2828,
0.1378

 33.1220, 0.3157,
0.3873

 4.6310, 0.2793,
0.1312

 38.1123, 0.3162,
0.4051

 43.5804, 0.3166,
0.4213

 49.5389, 0.3168,
0.4359

Harmonies

Analogous

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



12.4399, 0.2515, 0.2350



12.4399, 0.3059, 0.2505



12.4399, 0.3679, 0.2825

Triad

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



12.4399, 0.3059, 0.2505



12.4399, 0.4148, 0.4144



12.4399, 0.2178, 0.3191

Complementary

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



12.4399, 0.3059, 0.2505



18.5121, 0.3165, 0.4167

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.



12.4399, 0.2551, 0.3815



12.4399, 0.3059, 0.2505



12.4399, 0.3687, 0.4388

Square

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



12.4399, 0.3059, 0.2505



12.4399, 0.4339, 0.3722



12.4399, 0.3100, 0.4288



12.4399, 0.2047, 0.2681

Rectangle

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



12.4399, 0.3059, 0.2505



12.4399, 0.4033, 0.3103



12.4399, 0.3100, 0.4288



12.4399, 0.2276, 0.3397

Sweetspot

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



12.4404, 0.3059, 0.2505



32.0719, 0.3110, 0.3048



11.6832, 0.2604, 0.2561



7.3598, 0.3108, 0.3019



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



12.4404, 0.3059, 0.2505



19.3643, 0.3039, 0.2335



12.6453, 0.3356, 0.2754



4.3764, 0.3112, 0.3076



4.5909, 0.2793, 0.1312



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.2152, 0.3700, 0.3153



18.9382, 0.3877, 0.3123



18.3896, 0.2955, 0.3895



4.3553, 0.3253, 0.3253



4.6077, 0.6084, 0.3125



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 12.4399, 0.3059, 0.2505 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 12.4399, 0.3059, 0.2505 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 12.4399, 0.3059, 0.2505

Background



This preview shows how black text looks on a background with the Yxy color 12.4399, 0.3059, 0.2505.



This preview shows how white text looks on a background with the Yxy color 12.4399, 0.3059, 0.2505.

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

12.4399, 0.3059, 0.2505

Protanopia

12.5876, 0.2543, 0.2494

Deuteranopia

12.4886, 0.2731, 0.2673



Tritanopia

12.5307, 0.3401, 0.3145

Trichromacy



Original Color

12.4399, 0.3059, 0.2505

Protanomaly

12.4082, 0.2711, 0.2493

Deuteranomaly

12.3041, 0.2832, 0.2590

Tritanomaly

12.4595, 0.3269, 0.2904

Monochromacy



Original Color

12.4399, 0.3059, 0.2505

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.9483, 0.3112, 0.2995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4399, 0.3059, 0.2505 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(121, 87, 128)` looks like.

```
.text, #text, p{  
    color:rgb(121, 87, 128)  
}
```

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(121, 87, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 87, 128) }
```

Border

The CSS property to change the border of an element to Yxy 12.4399, 0.3059, 0.2505 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(121, 87, 128) }
```

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

```
.border{ border-color:rgb(121, 87, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 87, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(121, 87, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(121, 87, 128); box-shadow:4px 4px 4px 4px rgb(121, 87, 128) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4399, 0.3059, 0.2505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 87, 128) }
```

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

```
.background{ background-color: rgb(121, 87,  
128) }
```

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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