

Converting Colors

$Y_{xy}(12.7447, 0.2961, 0.2441)$

Have a look what the booklet for
Yxy(12.7447, 0.2961, 0.2441)
contains.

Yxy(12.7602, 0.2963, 0.2453)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.7602, 0.2963, 0.2453)

Conversions

Conversions Part 1

Format	Color
Hex	775985
RGB	119, 89, 133
RGB Percent	47%, 35%, 52%
CMY	0.5334, 0.6510, 0.4784
CMYK	0.11, 0.33, 0.00, 0.48
HSL	281°, 20%, 44%
HSV	281°, 33%, 52%
XYZ	15.4132, 12.7602, 23.8454
YIQ	102.9860, 3.7560, 20.0440

Conversions

Conversions Part 2

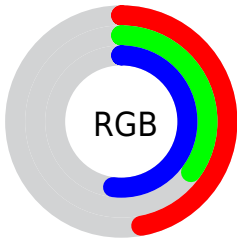
Format	Color
R_{YB}	119, 89, 133
Decimal	7821701
CIE _{Lab}	42.40, 20.94, -19.86
CIE _{LCh}	42, 28.861, 316.507
Yxy	12.7602, 0.2963, 0.2453
Android (android.graphics.Color)	4286011781 (0xFF775985)
YUV	102.9860, 14.7969, 14.0443
Hunter-Lab	35.7214, 14.5071, -14.5733

Details

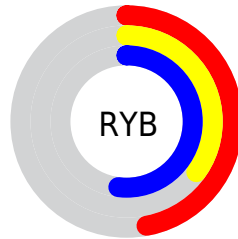
The Yxy color **12.7602, 0.2963, 0.2453** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.3854, 0.3240, 0.4183**, and the grayscale version is **13.5193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7811, 0.3015, 0.2644**, and **3.6544, 0.2873, 0.2121** is the 20% darker color. If you saturate the color by 10%, you get **10.4500, 0.2896, 0.2188**, and if you desaturate by 10%, it is **15.4849, 0.3022, 0.2718**.

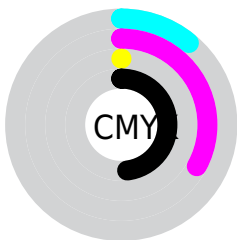
Distribution



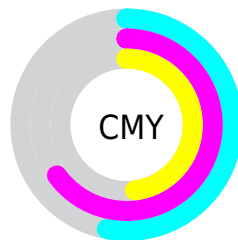
- Red (47%)
- Green (35%)
- Blue (52%)



- Red (47%)
- Yellow (35%)
- Blue (52%)



- Cyan (11%)
- Magenta (33%)
- Yellow (0%)
- Black (48%)





- Cyan (53%)
- Magenta (65%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7602, 0.2963, 0.2453 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 12.7602, 0.2963, 0.2453 by changing the saturation by 10% instead.


 12.7602, 0.2963,
0.2453


 12.7602, 0.2963,
0.2453

209.3751, 0.3070,
0.2933


 7.2636, 0.2923,
0.2308


 30.8723, 0.3010,
0.2645


 3.6275, 0.2860,
0.2105

 44.2566, 0.3026,
0.2711


 1.4675, 0.2750,
0.1802

 61.0390, 0.3037,
0.2765

 0.2657, 0.2635,
0.0917

 81.6037, 0.3047,
0.2810

 0.0000, 0.0000,
0.0000

 106.3353, 0.3054,
0.2848

135.6182, 0.3061,

0.2881

169.8366, 0.3066,
0.2909

■ 12.7602, 0.2963,
0.2453

■ 12.7602, 0.2963,
0.2453

■ 10.4500, 0.2896,
0.2188

■ 15.4849, 0.3022,
0.2718

■ 8.5310, 0.2823,
0.1931

■ 18.6426, 0.3072,
0.2974

■ 6.9798, 0.2743,
0.1693


■ 22.2525, 0.3115,
0.3218

■ 5.7702, 0.2660,
0.1484


■ 26.3324, 0.3151,
0.3446


■ 4.8721, 0.2576,
0.1315

■ 30.8990, 0.3181,
0.3655


 4.2497, 0.2494,
0.1190

 35.9681, 0.3205,
0.3847

 3.8988, 0.2438,
0.1117

 41.5548, 0.3224,
0.4021

 47.6737, 0.3240,
0.4179

 54.3387, 0.3252,
0.4321

Harmonies

Analogous

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



12.7602, 0.2432, 0.2324



12.7602, 0.2963, 0.2453



12.7602, 0.3598, 0.2757

Triad

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



12.7602, 0.2963, 0.2453



12.7602, 0.4221, 0.4103



12.7602, 0.2199, 0.3282

Complementary

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



12.7602, 0.2963, 0.2453



20.3854, 0.3240, 0.4183

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.



12.7602, 0.2613, 0.3919



12.7602, 0.2963, 0.2453



12.7602, 0.3781, 0.4394

Square

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



12.7602, 0.2963, 0.2453



12.7602, 0.4365, 0.3657



12.7602, 0.3191, 0.4356



12.7602, 0.2028, 0.2731

Rectangle

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



12.7602, 0.2963, 0.2453



12.7602, 0.3981, 0.3030



12.7602, 0.3191, 0.4356



12.7602, 0.2312, 0.3497

Sweetspot

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



12.7607, 0.2963, 0.2453



35.1407, 0.3085, 0.3045



13.6533, 0.2600, 0.2674



7.7495, 0.3080, 0.3016



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



12.7607, 0.2963, 0.2453



19.5489, 0.2912, 0.2245



13.6315, 0.3269, 0.2622



4.6904, 0.3090, 0.3073



3.7173, 0.2440, 0.1118



0.0168, 0.2810, 0.1322

Inverse Universe

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



13.1133, 0.3621, 0.3025



20.3487, 0.3790, 0.2960



19.7536, 0.3013, 0.4066



4.7114, 0.3233, 0.3221



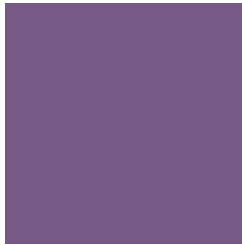
4.9130, 0.5622, 0.2871



0.0182, 0.4572, 0.2292

Previews

White Background



This preview shows how the Yxy color 12.7602, 0.2963, 0.2453 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 12.7602, 0.2963, 0.2453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

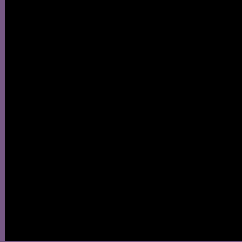
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.7602, 0.2963, 0.2453

Background



This preview shows how black text looks on a background with the Yxy color 12.7602, 0.2963, 0.2453.



This preview shows how white text looks on a background with the Yxy color 12.7602, 0.2963, 0.2453.

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

12.7602, 0.2963, 0.2453

Protanopia

12.9215, 0.2498, 0.2428

Deuteranopia

12.8895, 0.2655, 0.2618



Tritanopia

12.7211, 0.3319, 0.3143

Trichromacy



Original Color

12.7602, 0.2963, 0.2453

Protanomaly

12.6720, 0.2646, 0.2425

Deuteranomaly

12.6751, 0.2749, 0.2537

Tritanomaly

12.7340, 0.3192, 0.2883

Monochromacy



Original Color

12.7602, 0.2963, 0.2453

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2015, 0.3070, 0.2956

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7602, 0.2963, 0.2453 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, 89, 133)` looks like.

```
.text, #text, p{  
    color:rgb(119, 89, 133)  
}
```

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, 89, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 89, 133) }
```

Border

The CSS property to change the border of an element to Yxy 12.7602, 0.2963, 0.2453 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, 89, 133) }
```

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

```
.border{ border-color:rgb(119, 89, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 89, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 89, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 89, 133);  
box-shadow:4px 4px 4px 4px rgb(119, 89,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7602, 0.2963, 0.2453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 89, 133) }
```

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

```
.background{ background-color: rgb(119, 89,  
133) }
```

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