

Converting Colors

$Y_{xy}(13.1791, 0.3008, 0.2439)$

Have a look what the booklet for
Yxy(13.1791, 0.3008, 0.2439)
contains.

Yxy(13.1791, 0.3008, 0.2439)	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(13.1791, 0.3008, 0.2439)

Conversions

Conversions Part 1

Format	Color
Hex	7C5987
RGB	124, 89, 135
RGB Percent	49%, 35%, 53%
CMY	0.5138, 0.6509, 0.4707
CMYK	0.08, 0.34, 0.00, 0.47
HSL	286°, 21%, 44%
HSV	286°, 34%, 53%
XYZ	16.2537, 13.1791, 24.6021
YIQ	104.7090, 6.0940, 21.7260

Conversions

Conversions Part 2

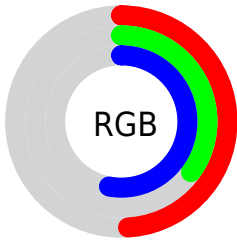
Format	Color
R _Y B	124, 89, 135
Decimal	8149383
CIE Lab	43.03, 23.08, -20.04
CIE LCh	43, 30.564, 319.040
Yxy	13.1791, 0.3008, 0.2439
Android (android.graphics.Color)	4286339463 (0xFF7C5987)
YUV	104.7090, 14.9335, 16.9182
Hunter-Lab	36.3030, 16.3882, -14.7679

Details

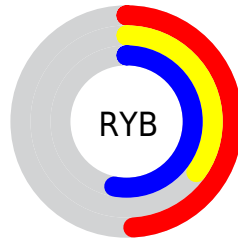
The Yxy color **13.1791, 0.3008, 0.2439** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.7555, 0.3202, 0.4226**, and the grayscale version is **14.0015, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4432, 0.3047, 0.2629**, and **3.7677, 0.2923, 0.2081** is the 20% darker color. If you saturate the color by 10%, you get **10.8980, 0.2960, 0.2184**, and if you desaturate by 10%, it is **15.8812, 0.3050, 0.2698**.

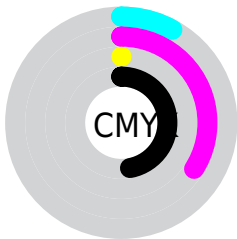
Distribution



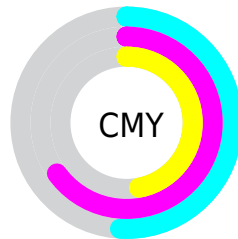
- Red (49%)
- Green (35%)
- Blue (53%)



- Red (49%)
- Yellow (35%)
- Blue (53%)



- Cyan (8%)
- Magenta (34%)
- Yellow (0%)
- Black (47%)





- Cyan (51%)
- Magenta (65%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1791, 0.3008, 0.2439 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 13.1791, 0.3008, 0.2439 by changing the saturation by 10% instead.


 13.1791, 0.3008,
0.2439


 13.1791, 0.3008,
0.2439

212.0623, 0.3089,
0.2923


 7.5520, 0.2976,
0.2295


 31.6252, 0.3045,
0.2631


 3.8096, 0.2926,
0.2093

 45.2129, 0.3056,
0.2699

 1.5677, 0.2836,
0.1796

 62.2230, 0.3065,
0.2753

 0.3356, 0.2736,
0.1040

 83.0398, 0.3072,
0.2799

 0.0000, 0.0000,
0.0000

 108.0478, 0.3077,
0.2837

137.6312, 0.3082,

0.2870

172.1746, 0.3086,
0.2899

■ 13.1791, 0.3008,
0.2439

■ 13.1791, 0.3008,
0.2439

■ 10.8980, 0.2960,
0.2184

■ 15.8812, 0.3050,
0.2698

■ 9.0135, 0.2906,
0.1940

■ 19.0236, 0.3086,
0.2951

■ 7.5016, 0.2848,
0.1719


■ 22.6262, 0.3116,
0.3195

■ 6.3345, 0.2786,
0.1530


■ 26.7074, 0.3141,
0.3425

■ 5.4808, 0.2723,
0.1381


■ 31.2845, 0.3161,
0.3638

 4.9006, 0.2661,
0.1274

 36.3740, 0.3177,
0.3834

 4.6118, 0.2624,
0.1219

 41.9914, 0.3190,
0.4014

 48.1518, 0.3199,
0.4176

 54.8696, 0.3206,
0.4323

Harmonies

Analogous

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



13.1791, 0.2440, 0.2288



13.1791, 0.3008, 0.2439



13.1791, 0.3674, 0.2767

Triad

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



13.1791, 0.3008, 0.2439



13.1791, 0.4240, 0.4169



13.1791, 0.2133, 0.3222

Complementary

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



13.1791, 0.3008, 0.2439



20.7555, 0.3202, 0.4226

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.



13.1791, 0.2543, 0.3899



13.1791, 0.3008, 0.2439



13.1791, 0.3759, 0.4458

Square

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



13.1791, 0.3008, 0.2439



13.1791, 0.4425, 0.3709



13.1791, 0.3136, 0.4389



13.1791, 0.1980, 0.2664

Rectangle

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



13.1791, 0.3008, 0.2439



13.1791, 0.4066, 0.3056



13.1791, 0.3136, 0.4389



13.1791, 0.2243, 0.3447

Sweetspot

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



13.1797, 0.3008, 0.2439



36.4484, 0.3099, 0.3046



13.0859, 0.2572, 0.2569



8.2624, 0.3095, 0.3016



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.1797, 0.3008, 0.2439



20.3325, 0.2971, 0.2237



13.7396, 0.3330, 0.2665



4.7082, 0.3102, 0.3073



4.2601, 0.2627, 0.1221



0.0181, 0.2918, 0.1381

Inverse Universe

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



13.2179, 0.3701, 0.3084



20.4695, 0.3897, 0.3035



20.3777, 0.2973, 0.4011



4.7057, 0.3245, 0.3238



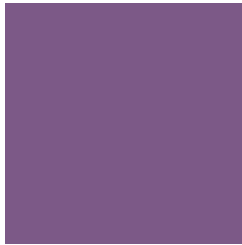
4.8495, 0.5894, 0.3020



0.0178, 0.4886, 0.2465

Previews

White Background



This preview shows how the Yxy color 13.1791, 0.3008, 0.2439 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 13.1791, 0.3008, 0.2439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

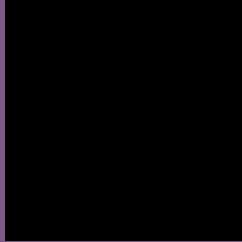
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1791, 0.3008, 0.2439

Background



This preview shows how black text looks on a background with the Yxy color 13.1791, 0.3008, 0.2439.



This preview shows how white text looks on a background with the Yxy color 13.1791, 0.3008, 0.2439.

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

13.1791, 0.3008, 0.2439

Protanopia

13.2027, 0.2474, 0.2399

Deuteranopia

13.2407, 0.2660, 0.2607



Tritanopia

13.0856, 0.3381, 0.3127

Trichromacy



Original Color

13.1791, 0.3008, 0.2439

Protanomaly

13.0555, 0.2640, 0.2401

Deuteranomaly

13.1511, 0.2780, 0.2533

Tritanomaly

13.1315, 0.3238, 0.2855

Monochromacy



Original Color

13.1791, 0.3008, 0.2439

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

13.6294, 0.3086, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1791, 0.3008, 0.2439 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(124, 89, 135)` looks like.

```
.text, #text, p{  
    color:rgb(124, 89, 135)  
}
```

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(124, 89, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 89, 135) }
```

Border

The CSS property to change the border of an element to Yxy 13.1791, 0.3008, 0.2439 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(124, 89, 135) }
```

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

```
.border{ border-color:rgb(124, 89, 135) }
```

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

Here you see how a box with a 4 pixel rgb(124, 89, 135) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 89, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 89, 135);  
box-shadow:4px 4px 4px 4px rgb(124, 89,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1791, 0.3008, 0.2439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 89, 135) }
```

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

```
.background{ background-color: rgb(124, 89,  
135) }
```

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