

Converting Colors

$Y_{xy}(9.8043, 0.1923, 0.0896)$

Have a look what the booklet for
Yxy(9.8043, 0.1923, 0.0896)
contains.

Yxy(9.8121, 0.1921, 0.0896)	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(9.8121, 0.1921, 0.0896)

Conversions

Conversions Part 1

Format	Color
Hex	681EEA
RGB	104, 30, 234
RGB Percent	41%, 12%, 92%
CMY	0.5918, 0.8830, 0.0822
CMYK	0.56, 0.87, 0.00, 0.08
HSL	262°, 83%, 52%
HSV	262°, 87%, 92%
XYZ	21.0369, 9.8121, 78.6611
YIQ	75.3820, -21.3800, 79.1320

Conversions

Conversions Part 2

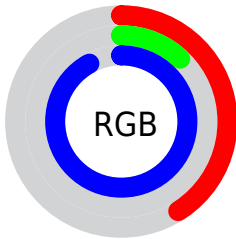
Format	Color
R_{YB}	104, 30, 234
Decimal	6823658
CIE _{Lab}	37.50, 71.83, -87.21
CIE _{LCh}	38, 112.985, 309.476
Yxy	9.8121, 0.1921, 0.0896
Android (android.graphics.Color)	4285013738 (0xFF681EEA)
YUV	75.3820, 78.1987, 25.0980
Hunter-Lab	31.3243, 65.0603, -126.9612

Details

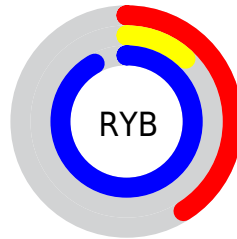
The Yxy color **9.8121, 0.1921, 0.0896** is a dark color, and the websafe version is hex **6633FF**. The color can be described as dark washed purple. A complement of this color would be **66.4175, 0.3609, 0.5433**, and the grayscale version is **6.9567, 0.3127, 0.3290**.

A 20% lighter version of the original color is **22.6896, 0.2399, 0.1441**, and **3.2845, 0.1531, 0.0617** is the 20% darker color. If you saturate the color by 10%, you get **8.2165, 0.1803, 0.0777**, and if you desaturate by 10%, it is **12.4330, 0.2061, 0.1079**.

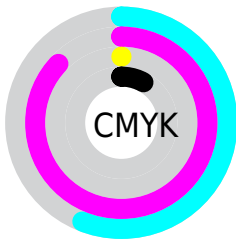
Distribution



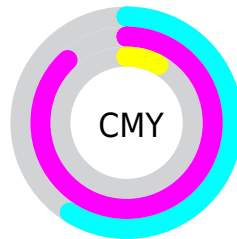
- Red (41%)
- Green (12%)
- Blue (92%)



- Red (41%)
- Yellow (12%)
- Blue (92%)



- Cyan (56%)
- Magenta (87%)
- Yellow (0%)
- Black (8%)





- Cyan (59%)
- Magenta (88%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 9.8121, 0.1921, 0.0896 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 9.8121, 0.1921, 0.0896 by changing the saturation by 10% instead.


 9.8121, 0.1921,
0.0896


 9.8121, 0.1921,
0.0896


189.3257, 0.2635,
0.1994


 5.2746, 0.1731,
0.0688


 25.4415, 0.2195,
0.1251


 2.4092, 0.1491,
0.0467


 37.3021, 0.2295,
0.1399


 0.8306, 0.1191,
0.0251

 52.3725, 0.2378,
0.1529

 0.0000, 0.0835,
0.0000

 71.0372, 0.2447,
0.1645

 0.0000, 0.0382,
0.0000

 93.6804, 0.2505,
0.1747

 0.0000, 0.0000,
0.0000

 120.6866, 0.2555,

0.1839

152.4403, 0.2598,
0.1920

■ 9.8121, 0.1921,
0.0896

■ 9.8121, 0.1921,
0.0896

■ 8.2165, 0.1803,
0.0777

■ 12.4330, 0.2061,
0.1079

■ 7.8790, 0.1774,
0.0751

■ 16.2610, 0.2217,
0.1321

■ 21.4371, 0.2379,
0.1605

■ 28.0816, 0.2539,
0.1915

■ 36.3013, 0.2691,
0.2232

■ 46.1926, 0.2829,
0.2543

■ 57.8442, 0.2952,
0.2837

■ 71.3383, 0.3059,
0.3109

■ 86.7518, 0.3151,
0.3355

Harmonies

Analogous

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



9.8121, 0.0862, 0.0718



9.8121, 0.1921, 0.0896



9.8121, 0.4138, 0.1402

Triad

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



9.8121, 0.1921, 0.0896



9.8121, 0.6046, 0.3954



9.8121, 0.0434, 0.3311

Complementary

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



9.8121, 0.1921, 0.0896



66.4175, 0.3609, 0.5433

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.



9.8121, 0.1113, 0.7391



9.8121, 0.1921, 0.0896



9.8121, 0.4248, 0.5752

Square

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



9.8121, 0.1921, 0.0896



9.8121, 0.7133, 0.2867



9.8121, 0.2368, 0.7632



9.8121, 0.0311, 0.1359

Rectangle

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



9.8121, 0.1921, 0.0896



9.8121, 0.5966, 0.1898



9.8121, 0.2368, 0.7632



9.8121, 0.0579, 0.4590

Sweetspot

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



9.8123, 0.1921, 0.0896



57.6034, 0.2844, 0.2577



32.2606, 0.1983, 0.2252



11.3658, 0.2798, 0.2471



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



9.8123, 0.1921, 0.0896



9.5323, 0.1770, 0.0749



19.6187, 0.2877, 0.1409



14.8155, 0.3037, 0.3050



4.4905, 0.1790, 0.0760



0.4054, 0.1943, 0.0844

Inverse Universe

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



20.9519, 0.4210, 0.2166



23.8788, 0.4422, 0.2210



59.9400, 0.3075, 0.5841



15.2154, 0.3193, 0.3141



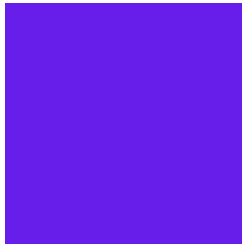
11.0727, 0.4391, 0.2192



0.8878, 0.4184, 0.2078

Previews

White Background



This preview shows how the Yxy color 9.8121, 0.1921, 0.0896 looks on a white background.

Color Contrast Check

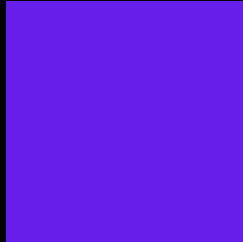
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the Yxy color 9.8121, 0.1921, 0.0896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

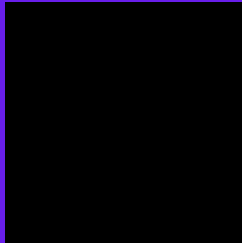
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 9.8121, 0.1921, 0.0896

Background



This preview shows how black text looks on a background with the Yxy color 9.8121, 0.1921, 0.0896.



This preview shows how white text looks on a background with the Yxy color 9.8121, 0.1921, 0.0896.

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

9.8121, 0.1921, 0.0896

Protanopia

9.7517, 0.1750, 0.1499

Deuteranopia

9.7821, 0.1868, 0.1926



Tritanopia

9.8346, 0.2530, 0.3077

Trichromacy



Original Color

9.8121, 0.1921, 0.0896



Protanomaly

8.3162, 0.1704, 0.1090



Deuteranomaly

8.0457, 0.1759, 0.1245



Tritanomaly

8.1643, 0.2177, 0.1679

Monochromacy



Original Color

9.8121, 0.1921, 0.0896



Achromatopsia

7.0360, 0.3127, 0.3290



Achromatomaly

6.7998, 0.2444, 0.1725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 9.8121, 0.1921, 0.0896 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(104, 30, 234)` looks like.

```
.text, #text, p{  
    color:rgb(104, 30, 234)  
}
```

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(104, 30, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 30, 234) }
```

Border

The CSS property to change the border of an element to Yxy 9.8121, 0.1921, 0.0896 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(104, 30, 234) }
```

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

```
.border{ border-color:rgb(104, 30, 234) }
```

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

Here you see how a box with a 4 pixel rgb(104, 30, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 30, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 30, 234);  
box-shadow:4px 4px 4px 4px rgb(104, 30,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 9.8121, 0.1921, 0.0896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 30, 234) }
```

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

```
.background{ background-color: rgb(104, 30,  
234) }
```

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