

Converting Colors

$Y_{xy}(9.9877, 0.2414, 0.1196)$

Have a look what the booklet for
Yxy(9.9877, 0.2414, 0.1196)
contains.

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Color

Yxy(10.0051, 0.2421, 0.1202)

Conversions

Conversions Part 1

Format	Color
Hex	8520C4
RGB	133, 32, 196
RGB Percent	52%, 13%, 77%
CMY	0.4784, 0.8745, 0.2315
CMYK	0.32, 0.84, 0.00, 0.23
HSL	277°, 72%, 45%
HSV	277°, 84%, 77%
XYZ	20.1517, 10.0051, 53.0803
YIQ	80.8950, 7.5520, 72.4160

Conversions

Conversions Part 2

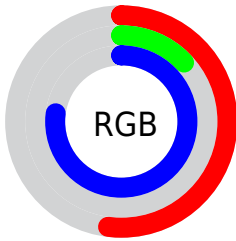
Format	Color
R_{YB}	133, 32, 196
Decimal	8724676
CIE _{Lab}	37.85, 66.03, -64.56
CIE _{LCh}	38, 92.343, 315.644
Yxy	10.0051, 0.2421, 0.1202
Android (android.graphics.Color)	4286914756 (0xFF8520C4)
YUV	80.8950, 56.7468, 45.6961
Hunter-Lab	31.6308, 58.3667, -77.3541

Details

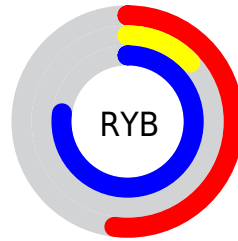
The Yxy color **10.0051, 0.2421, 0.1202** is a dark color, and the websafe version is hex **9933CC**. The color can be described as dark muted purple. A complement of this color would be **42.0064, 0.3300, 0.5609**, and the grayscale version is **8.0934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **25.7143, 0.2609, 0.1556**, and **3.4189, 0.2107, 0.0935** is the 20% darker color. If you saturate the color by 10%, you get **8.6539, 0.2323, 0.1079**, and if you desaturate by 10%, it is **12.0279, 0.2524, 0.1375**.

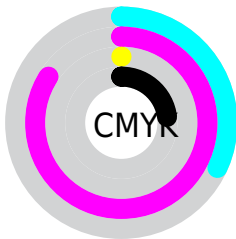
Distribution



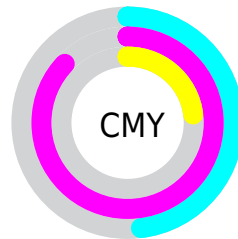
- Red (52%)
- Green (13%)
- Blue (77%)



- Red (52%)
- Yellow (13%)
- Blue (77%)



- Cyan (32%)
- Magenta (84%)
- Yellow (0%)
- Black (23%)





- Cyan (48%)
- Magenta (87%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.0051, 0.2421, 0.1202 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 10.0051, 0.2421, 0.1202 by changing the saturation by 10% instead.


 10.0051, 0.2421,
0.1202


 10.0051, 0.2421,
0.1202


190.7085, 0.2882,
0.2239


 5.4023, 0.2273,
0.0973


 25.8051, 0.2614,
0.1563


 2.4852, 0.2068,
0.0710


 37.7711, 0.2679,
0.1704

 0.8692, 0.1777,
0.0422

 52.9603, 0.2731,
0.1826


 0.0000, 0.1383,
0.0000

 71.7572, 0.2773,
0.1931

 0.0000, 0.0636,
0.0000

 94.5460, 0.2808,
0.2023

 0.0000, 0.0000,
0.0000

 121.7112, 0.2837,

0.2104

153.6373, 0.2861,
0.2175

■ 10.0051, 0.2421,
0.1202

■ 10.0051, 0.2421,
0.1202

■ 8.6539, 0.2323,
0.1079

■ 12.0279, 0.2524,
0.1375

■ 8.0287, 0.2264,
0.1021

■ 14.8192, 0.2628,
0.1593

■ 18.4605, 0.2729,
0.1844

■ 23.0225, 0.2823,
0.2117

■ 28.5681, 0.2910,
0.2398

■ 35.1546, 0.2986,
0.2678

■ 42.8350, 0.3052,
0.2947

■ 51.6584, 0.3109,
0.3201

■ 61.6710, 0.3156,
0.3437

Harmonies

Analogous

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



10.0051, 0.1234, 0.0956



10.0051, 0.2421, 0.1202



10.0051, 0.4484, 0.1774

Triad

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



10.0051, 0.2421, 0.1202



10.0051, 0.5576, 0.4424



10.0051, 0.0648, 0.2904

Complementary

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



10.0051, 0.2421, 0.1202



42.0064, 0.3300, 0.5609

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.



10.0051, 0.1309, 0.5930



10.0051, 0.2421, 0.1202



10.0051, 0.4034, 0.5966

Square

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



10.0051, 0.2421, 0.1202



10.0051, 0.6649, 0.3351



10.0051, 0.2573, 0.7390



10.0051, 0.0525, 0.1468

Rectangle

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



10.0051, 0.2421, 0.1202



10.0051, 0.5896, 0.2281



10.0051, 0.2573, 0.7390



10.0051, 0.0791, 0.3773

Sweetspot

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



10.0054, 0.2421, 0.1202



61.4994, 0.2974, 0.2630



12.9524, 0.1821, 0.1584



12.2299, 0.2947, 0.2530



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.



10.0054, 0.2421, 0.1202



14.3949, 0.2250, 0.1013



16.0448, 0.3424, 0.1746



10.0481, 0.3078, 0.3059



5.2108, 0.2276, 0.1028



0.2638, 0.2486, 0.1143

Inverse Universe

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



13.5925, 0.4965, 0.2663



22.1406, 0.5492, 0.2799



39.9940, 0.2968, 0.5687



10.1405, 0.3230, 0.3202



7.8852, 0.5417, 0.2758



0.3542, 0.4814, 0.2426

Previews

White Background



This preview shows how the Yxy color 10.0051, 0.2421, 0.1202 looks on a white background.

Color Contrast Check

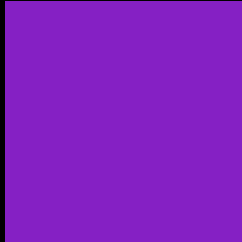
Large Text (above 18pt) WCAG AA ✓ Pass

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 10.0051, 0.2421, 0.1202 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

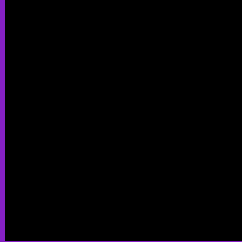
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 10.0051, 0.2421, 0.1202

Background



This preview shows how black text looks on a background with the Yxy color 10.0051, 0.2421, 0.1202.



This preview shows how white text looks on a background with the Yxy color 10.0051, 0.2421, 0.1202.

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

10.0051, 0.2421, 0.1202

Protanopia

10.2353, 0.1750, 0.1498

Deuteranopia

10.1575, 0.1851, 0.1865



Tritanopia

10.0837, 0.3595, 0.3160

Trichromacy



Original Color

10.0051, 0.2421, 0.1202



Protanomaly

8.2735, 0.1780, 0.1197



Deuteranomaly

7.9873, 0.1845, 0.1357



Tritanomaly

9.0804, 0.3066, 0.2084

Monochromacy



Original Color

10.0051, 0.2421, 0.1202



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

7.6944, 0.2794, 0.2027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.0051, 0.2421, 0.1202 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(133, 32, 196)` looks like.

```
.text, #text, p{  
    color:rgb(133, 32, 196)  
}
```

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(133, 32, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 32, 196) }
```

Border

The CSS property to change the border of an element to Yxy 10.0051, 0.2421, 0.1202 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(133, 32, 196) }
```

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

```
.border{ border-color:rgb(133, 32, 196) }
```

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

Here you see how a box with a 4 pixel rgb(133, 32, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 32, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 32, 196);  
box-shadow:4px 4px 4px 4px rgb(133, 32,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 10.0051, 0.2421, 0.1202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 32, 196) }
```

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

```
.background{ background-color: rgb(133, 32,  
196) }
```

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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