

Converting Colors

$Y_{xy}(20.4971, 0.2417, 0.1327)$

Have a look what the booklet for
Yxy(20.4971, 0.2417, 0.1327)
contains.

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Color

Yxy(20.4971, 0.2417, 0.1327)

Conversions

Conversions Part 1

Format	Color
Hex	AC47FF
RGB	172, 71, 255
RGB Percent	67%, 28%, 100%
CMY	0.3252, 0.7219, 0.0000
CMYK	0.33, 0.72, 0.00, 0.00
HSL	273°, 100%, 64%
HSV	273°, 72%, 100%
XYZ	37.3335, 20.4971, 96.6314
YIQ	122.1750, 1.1320, 78.6360

Conversions

Conversions Part 2

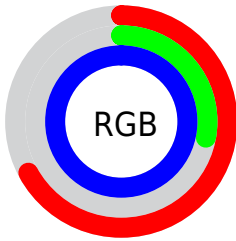
Format	Color
R _Y B	172, 71, 255
Decimal	11290623
CIE Lab	52.39, 71.37, -74.28
CIE LCh	52, 103.009, 313.857
Yxy	20.4971, 0.2417, 0.1327
Android (android.graphics.Color)	4289480703 (0xFFAC47FF)
YUV	122.1750, 65.4827, 43.6965
Hunter-Lab	45.2737, 67.9650, -94.8559

Details

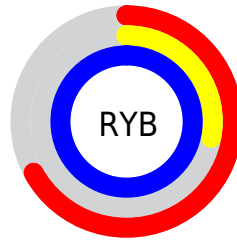
The Yxy color **20.4971, 0.2417, 0.1327** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **78.8284, 0.3402, 0.5343**, and the grayscale version is **19.2952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.5545, 0.2982, 0.2002**, and **7.4760, 0.2159, 0.0963** is the 20% darker color. If you saturate the color by 10%, you get **16.6631, 0.2297, 0.1139**, and if you desaturate by 10%, it is **25.7984, 0.2540, 0.1563**.

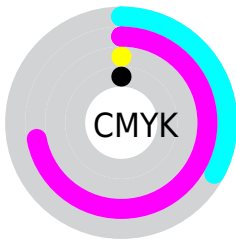
Distribution



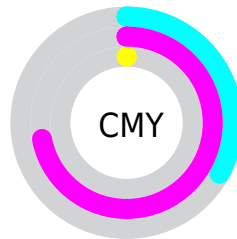
- Red (67%)
- Green (28%)
- Blue (100%)



- Red (67%)
- Yellow (28%)
- Blue (100%)



- Cyan (33%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)



- Cyan (33%)
- Magenta (72%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4971, 0.2417, 0.1327 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 20.4971, 0.2417, 0.1327 by changing the saturation by 10% instead.


 20.4971, 0.2417,
0.1327


 20.4971, 0.2417,
0.1327


254.5936, 0.2833,
0.2212


 12.7569, 0.2304,
0.1146

 44.2491, 0.2577,
0.1620


 7.2614, 0.2157,
0.0939


 61.0296, 0.2635,
0.1738

 3.6261, 0.1964,
0.0705


 81.5924, 0.2683,
0.1843

 1.4667, 0.1704,
0.0452

 106.3218, 0.2723,
0.1934

 0.2651, 0.1363,
0.0139

 135.6022, 0.2757,
0.2016

 0.0000, 0.0904,
0.0000

169.8181, 0.2786,

 0.0000, 0.0000,

0.2088

0.0000

209.3538, 0.2811,
0.2153

■ 20.4971, 0.2417,
0.1327

■ 20.4971, 0.2417,
0.1327

■ 16.6631, 0.2297,
0.1139

■ 25.7984, 0.2540,
0.1563

■ 14.1164, 0.2185,
0.1004

■ 32.7274, 0.2660,
0.1832


■ 12.8066, 0.2105,
0.0933

■ 41.4162, 0.2773,
0.2120

■ 51.9845, 0.2875,
0.2415

■ 64.5413, 0.2967,
0.2704

 79.1872, 0.3046,
0.2980

 96.0157, 0.3114,
0.3237

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



20.4971, 0.1332, 0.1101



20.4971, 0.2417, 0.1327



20.4971, 0.4229, 0.1867

Triad

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



20.4971, 0.2417, 0.1327



20.4971, 0.5566, 0.4434



20.4971, 0.0857, 0.3126

Complementary

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



20.4971, 0.2417, 0.1327



78.8284, 0.3402, 0.5343

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.



20.4971, 0.1591, 0.5710



20.4971, 0.2417, 0.1327



20.4971, 0.4224, 0.5776

Square

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



20.4971, 0.2417, 0.1327



20.4971, 0.6361, 0.3411



20.4971, 0.2817, 0.6807



20.4971, 0.0674, 0.1694

Rectangle

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



20.4971, 0.2417, 0.1327



20.4971, 0.5499, 0.2359



20.4971, 0.2817, 0.6807



20.4971, 0.1028, 0.3914

Sweetspot

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



20.4951, 0.2417, 0.1327



64.7989, 0.2968, 0.2709



32.6104, 0.1986, 0.1983



13.0952, 0.2945, 0.2632



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.



20.4951, 0.2417, 0.1327



15.2907, 0.2242, 0.1067



32.5870, 0.3260, 0.1754



17.8697, 0.3065, 0.3050



6.7817, 0.2121, 0.0942



0.7252, 0.2238, 0.1006

Inverse Universe

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



28.0838, 0.4454, 0.2537



24.0520, 0.4870, 0.2545



73.3930, 0.3003, 0.5552



18.1231, 0.3223, 0.3183



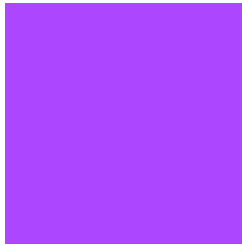
11.7832, 0.5174, 0.2624



1.1689, 0.4894, 0.2470

Previews

White Background



This preview shows how the Yxy color 20.4971, 0.2417, 0.1327 looks on a white background.

Color Contrast Check

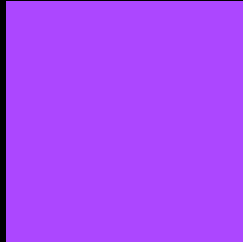
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 20.4971, 0.2417, 0.1327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

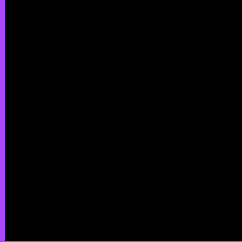
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.4971, 0.2417, 0.1327

Background



This preview shows how black text looks on a background with the Yxy color 20.4971, 0.2417, 0.1327.



This preview shows how white text looks on a background with the Yxy color 20.4971, 0.2417, 0.1327.

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

20.4971, 0.2417, 0.1327

Protanopia

20.8947, 0.1739, 0.1460

Deuteranopia

20.7123, 0.1840, 0.1823



Tritanopia

20.2674, 0.3432, 0.3139

Trichromacy



Original Color

20.4971, 0.2417, 0.1327



Protanomaly

17.9773, 0.1786, 0.1287



Deuteranomaly

17.5127, 0.1851, 0.1463



Tritanomaly

19.2610, 0.2993, 0.2225

Monochromacy



Original Color

20.4971, 0.2417, 0.1327



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.1782, 0.2815, 0.2232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4971, 0.2417, 0.1327 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(172, 71, 255)` looks like.

```
.text, #text, p{  
    color:rgb(172, 71, 255)  
}
```

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(172, 71, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 71, 255) }
```

Border

The CSS property to change the border of an element to Yxy 20.4971, 0.2417, 0.1327 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(172, 71, 255) }
```

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

```
.border{ border-color:rgb(172, 71, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 71, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 71, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 71, 255);  
box-shadow:4px 4px 4px 4px rgb(172, 71,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4971, 0.2417, 0.1327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 71, 255) }
```

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

```
.background{ background-color: rgb(172, 71,  
255) }
```

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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