

Converting Colors

$Y_{xy}(20.9922, 0.2475, 0.1392)$

Have a look what the booklet for
Yxy(20.9922, 0.2475, 0.1392)
contains.

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Color

Yxy(20.9330, 0.2471, 0.1389)

Conversions

Conversions Part 1

Format	Color
Hex	AE4BFA
RGB	174, 75, 250
RGB Percent	68%, 29%, 98%
CMY	0.3174, 0.7061, 0.0195
CMYK	0.30, 0.70, 0.00, 0.02
HSL	274°, 95%, 64%
HSV	274°, 70%, 98%
XYZ	37.2393, 20.9330, 92.5332
YIQ	124.5510, 2.8290, 75.4130

Conversions

Conversions Part 2

Format	Color
RYB	174, 75, 250
Decimal	11422714
CIELab	52.88, 68.99, -70.69
CIELCh	53, 98.775, 314.302
Yxy	20.9330, 0.2471, 0.1389
Android (android.graphics.Color)	4289612794 (0xFFAE4BFA)
YUV	124.5510, 61.8464, 43.3668
Hunter-Lab	45.7526, 65.2192, -87.8854

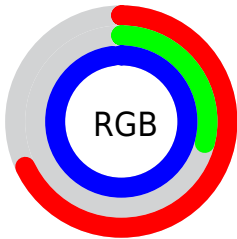
Details

The Yxy color **20.9330, 0.2471, 0.1389** is a light color, and the websafe version is hex **CC33FF**.

The color can be described as light washed purple. A complement of this color would be **75.4576, 0.3387, 0.5302**, and the grayscale version is **20.1337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9450, 0.2999, 0.2043**, and **7.4723, 0.2227, 0.1003** is the 20% darker color. If you saturate the color by 10%, you get **16.9891, 0.2354, 0.1192**, and if you desaturate by 10%, it is **26.3101, 0.2589, 0.1630**.

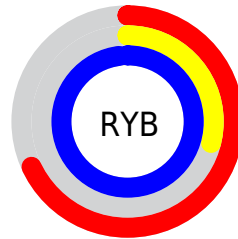
Distribution



Red (68%)

Green (29%)

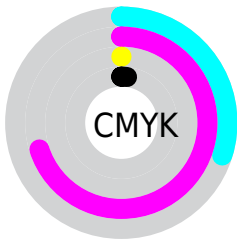
Blue (98%)



Red (68%)

Yellow (29%)

Blue (98%)

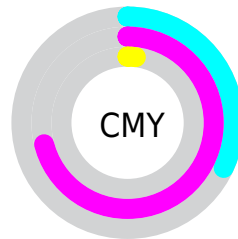


Cyan (30%)

Magenta (70%)

Yellow (0%)

Black (2%)



Cyan (32%)


Magenta (71%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.9330, 0.2471, 0.1389 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 20.9330, 0.2471, 0.1389 by changing the saturation by 10% instead.


 20.9330, 0.2471,
0.1389


 20.9330, 0.2471,
0.1389


256.9222, 0.2858,
0.2254


 13.0750, 0.2364,
0.1209


 44.9760, 0.2621,
0.1678

 7.4802, 0.2225,
0.1001


 61.9298, 0.2675,
0.1794


 3.7642, 0.2038,
0.0762


 82.6844, 0.2719,
0.1896

 1.5426, 0.1785,
0.0500

 107.6241, 0.2756,
0.1985

 0.3184, 0.1446,
0.0178

 137.1333, 0.2788,
0.2064

 0.0000, 0.0978,
0.0000

171.5965, 0.2815,

 0.0000, 0.0000,

0.2135

0.0000

211.3980, 0.2838,
0.2198

■ 20.9330, 0.2471,
0.1389

■ 20.9330, 0.2471,
0.1389

■ 16.9891, 0.2354,
0.1192

■ 26.3101, 0.2589,
0.1630

■ 14.3073, 0.2243,
0.1048


■ 33.2600, 0.2703,
0.1901


■ 12.6146, 0.2141,
0.0953


■ 41.9075, 0.2810,
0.2190

■ 52.3640, 0.2906,
0.2481

■ 64.7313, 0.2991,
0.2767

 79.1032, 0.3065,
0.3037

 95.5675, 0.3127,
0.3289

 99.6831, 0.3156,
0.3338

Harmonies

Analogous

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



20.9330, 0.1398, 0.1160



20.9330, 0.2471, 0.1389



20.9330, 0.4215, 0.1927

Triad

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



20.9330, 0.2471, 0.1389



20.9330, 0.5518, 0.4482



20.9330, 0.0923, 0.3122

Complementary

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



20.9330, 0.2471, 0.1389



75.4576, 0.3387, 0.5302

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.



20.9330, 0.1653, 0.5540



20.9330, 0.2471, 0.1389



20.9330, 0.4236, 0.5764

Square

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



20.9330, 0.2471, 0.1389



20.9330, 0.6255, 0.3467



20.9330, 0.2862, 0.6657



20.9330, 0.0735, 0.1747

Rectangle

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



20.9330, 0.2471, 0.1389



20.9330, 0.5420, 0.2414



20.9330, 0.2862, 0.6657



20.9330, 0.1095, 0.3862

Sweetspot

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



20.9337, 0.2471, 0.1389



66.3206, 0.2983, 0.2739



31.4174, 0.2005, 0.1989



13.3983, 0.2961, 0.2661



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.



20.9337, 0.2471, 0.1389



16.4815, 0.2308, 0.1127



31.7179, 0.3286, 0.1801



17.1279, 0.3068, 0.3051



6.7769, 0.2157, 0.0962



0.6903, 0.2277, 0.1028

Inverse Universe

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



27.5822, 0.4435, 0.2574



24.5456, 0.4844, 0.2567



70.5102, 0.2996, 0.5462



17.3503, 0.3226, 0.3188



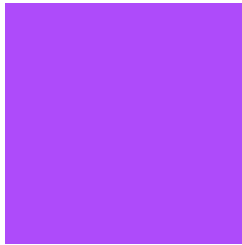
11.3876, 0.5242, 0.2661



1.0755, 0.4941, 0.2495

Previews

White Background



This preview shows how the Yxy color 20.9330, 0.2471, 0.1389 looks on a white background.

Color Contrast Check

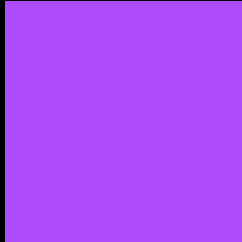
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.9330, 0.2471, 0.1389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

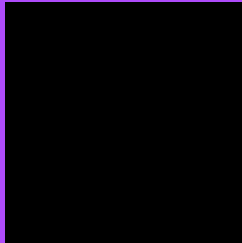
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.9330, 0.2471, 0.1389

Background



This preview shows how black text looks on a background with the Yxy color 20.9330, 0.2471, 0.1389.



This preview shows how white text looks on a background with the Yxy color 20.9330, 0.2471, 0.1389.

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

20.9330, 0.2471, 0.1389

Protanopia

21.3457, 0.1763, 0.1481

Deuteranopia

21.1915, 0.1834, 0.1801



Tritanopia

20.9043, 0.3468, 0.3142

Trichromacy



Original Color

20.9330, 0.2471, 0.1389



Protanomaly

18.8573, 0.1857, 0.1346



Deuteranomaly

17.9922, 0.1855, 0.1482



Tritanomaly

19.9166, 0.3040, 0.2277

Monochromacy



Original Color

20.9330, 0.2471, 0.1389



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

19.2573, 0.2852, 0.2304

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.9330, 0.2471, 0.1389 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(174, 75, 250)` looks like.

```
.text, #text, p{  
    color:rgb(174, 75, 250)  
}
```

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(174, 75, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 75, 250) }
```

Border

The CSS property to change the border of an element to Yxy 20.9330, 0.2471, 0.1389 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(174, 75, 250) }
```

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

```
.border{ border-color:rgb(174, 75, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 75, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 75, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 75, 250);  
box-shadow:4px 4px 4px 4px rgb(174, 75,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 20.9330, 0.2471, 0.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 75, 250) }
```

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

```
.background{ background-color: rgb(174, 75,  
250) }
```

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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