

Converting Colors

$Y_{xy}(21.8661, 0.2580, 0.1369)$

Have a look what the booklet for
Yxy(21.8661, 0.2580, 0.1369)
contains.

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Color

Yxy(21.8339, 0.2576, 0.1368)

Conversions

Conversions Part 1

Format	Color
Hex	BE40FF
RGB	190, 64, 255
RGB Percent	75%, 25%, 100%
CMY	0.2550, 0.7489, 0.0000
CMYK	0.25, 0.75, 0.00, 0.00
HSL	280°, 100%, 63%
HSV	280°, 75%, 100%
XYZ	41.1141, 21.8339, 96.6565
YIQ	123.4480, 13.7850, 86.1130

Conversions

Conversions Part 2

Format	Color
R _Y B	190, 64, 255
Decimal	12468479
CIE Lab	53.85, 77.06, -71.78
CIE LCh	54, 105.316, 317.031
Yxy	21.8339, 0.2576, 0.1368
Android (android.graphics.Color)	4290658559 (0xFFBE40FF)
YUV	123.4480, 64.8551, 58.3661
Hunter-Lab	46.7268, 75.2875, -89.9354

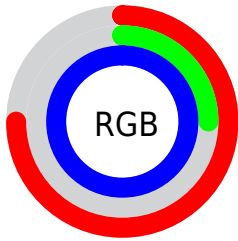
Details

The Yxy color **21.8339, 0.2576, 0.1368** is a light color, and the websafe version is hex **CC33FF**.

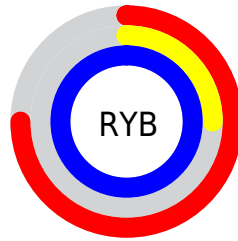
The color can be described as light washed purple. A complement of this color would be **76.5618, 0.3279, 0.5487**, and the grayscale version is **19.7451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1445, 0.3150, 0.2041**, and **8.7770, 0.2364, 0.1076** is the 20% darker color. If you saturate the color by 10%, you get **18.4999, 0.2483, 0.1213**, and if you desaturate by 10%, it is **26.5491, 0.2670, 0.1571**.

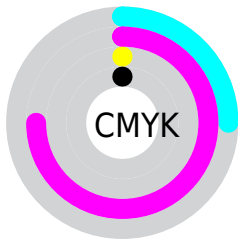
Distribution



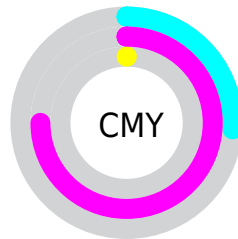
- Red (75%)
- Green (25%)
- Blue (100%)



- Red (75%)
- Yellow (25%)
- Blue (100%)



- Cyan (25%)
- Magenta (75%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (75%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8339, 0.2576, 0.1368 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 21.8339, 0.2576, 0.1368 by changing the saturation by 10% instead.


 21.8339, 0.2576,
0.1368


 21.8339, 0.2576,
0.1368


261.6776, 0.2912,
0.2229


 13.7349, 0.2481,
0.1192


 46.4713, 0.2708,
0.1653


 7.9365, 0.2357,
0.0989


 63.7785, 0.2755,
0.1768


 4.0544, 0.2189,
0.0758


 84.9239, 0.2793,
0.1869

 1.7040, 0.1958,
0.0504

 110.2919, 0.2825,
0.1959

 0.4263, 0.1642,
0.0214

 140.2669, 0.2852,
0.2038

 0.0000, 0.1200,
0.0000

175.2332, 0.2875,

 0.0000, 0.0352,

0.2108

0.0000

215.5753, 0.2895,
0.2172

■ 0.0000, 0.0000,
0.0000

■ 21.8339, 0.2576,
0.1368

■ 21.8339, 0.2576,
0.1368

■ 18.4999, 0.2483,
0.1213

■ 26.5491, 0.2670,
0.1571

■ 16.3488, 0.2395,
0.1108


■ 32.8033, 0.2761,
0.1811

■ 15.5642, 0.2351,
0.1069

■ 40.7344, 0.2847,
0.2077

■ 50.4642, 0.2925,
0.2356

■ 62.1028, 0.2995,
0.2637

 75.7516, 0.3055,
0.2910

 91.5043, 0.3105,
0.3169

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.



21.8339, 0.1413, 0.1109



21.8339, 0.2576, 0.1368



21.8339, 0.4445, 0.1940

Triad

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



21.8339, 0.2576, 0.1368



21.8339, 0.5439, 0.4561



21.8339, 0.0815, 0.2908

Complementary

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



21.8339, 0.2576, 0.1368



76.5618, 0.3279, 0.5487

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.



21.8339, 0.1481, 0.5442



21.8339, 0.2576, 0.1368



21.8339, 0.4073, 0.5927

Square

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



21.8339, 0.2576, 0.1368



21.8339, 0.6321, 0.3501



21.8339, 0.2676, 0.6834



21.8339, 0.0675, 0.1607

Rectangle

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



21.8339, 0.2576, 0.1368



21.8339, 0.5669, 0.2440



21.8339, 0.2676, 0.6834



21.8339, 0.0965, 0.3647

Sweetspot

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



21.8346, 0.2576, 0.1368



65.8364, 0.3013, 0.2717



24.5087, 0.1877, 0.1627



13.3408, 0.2996, 0.2642



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.



21.8346, 0.2576, 0.1368



17.2674, 0.2437, 0.1153



30.4407, 0.3501, 0.1875



17.9726, 0.3083, 0.3052



8.2183, 0.2365, 0.1076



0.8605, 0.2462, 0.1130

Inverse Universe

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



26.5166, 0.4850, 0.2734



22.9690, 0.5365, 0.2796



73.3956, 0.2938, 0.5413



18.0891, 0.3240, 0.3209



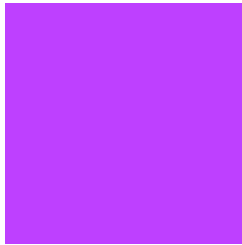
11.4918, 0.5620, 0.2869



1.1384, 0.5303, 0.2695

Previews

White Background



This preview shows how the Yxy color 21.8339, 0.2576, 0.1368 looks on a white background.

Color Contrast Check

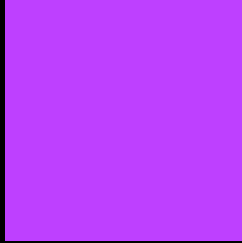
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8339, 0.2576, 0.1368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

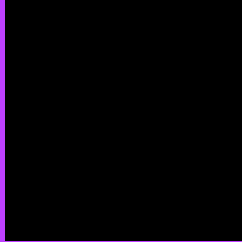
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8339, 0.2576, 0.1368

Background



This preview shows how black text looks on a background with the Yxy color 21.8339, 0.2576, 0.1368.



This preview shows how white text looks on a background with the Yxy color 21.8339, 0.2576, 0.1368.

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

21.8339, 0.2576, 0.1368

Protanopia

22.3383, 0.1797, 0.1529

Deuteranopia

21.9458, 0.1832, 0.1795



Tritanopia

21.5402, 0.3742, 0.3152

Trichromacy



Original Color

21.8339, 0.2576, 0.1368



Protanomaly

19.3534, 0.1920, 0.1345



Deuteranomaly

18.0126, 0.1860, 0.1439



Tritanomaly

20.3168, 0.3251, 0.2258

Monochromacy



Original Color

21.8339, 0.2576, 0.1368



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.6461, 0.2886, 0.2229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8339, 0.2576, 0.1368 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(190, 64, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 64, 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(190, 64, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 64, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.8339, 0.2576, 0.1368 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(190, 64, 255) }
```

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

```
.border{ border-color:rgb(190, 64, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 64, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 64, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 64, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 64,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8339, 0.2576, 0.1368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 64, 255) }
```

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

```
.background{ background-color: rgb(190, 64,  
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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