

Converting Colors

$Y_{xy}(21.8395, 0.2664, 0.1353)$

Have a look what the booklet for
Yxy(21.8395, 0.2664, 0.1353)
contains.

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Color

Yxy(21.8670, 0.2666, 0.1354)

Conversions

Conversions Part 1

Format	Color
Hex	C833FF
RGB	200, 51, 255
RGB Percent	78%, 20%, 100%
CMY	0.2157, 0.8000, 0.0000
CMYK	0.22, 0.80, 0.00, 0.00
HSL	284°, 100%, 60%
HSV	284°, 80%, 100%
XYZ	43.0557, 21.8670, 96.5766
YIQ	118.8070, 23.3200, 95.0320

Conversions

Conversions Part 2

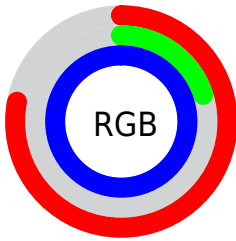
Format	Color
R _Y B	200, 51, 255
Decimal	13120511
CIE Lab	53.89, 82.77, -71.67
CIE LCh	54, 109.488, 319.112
Yxy	21.8670, 0.2666, 0.1354
Android (android.graphics.Color)	4291310591 (0xFFC833FF)
YUV	118.8070, 67.1431, 71.2063
Hunter-Lab	46.7622, 82.5180, -89.7164

Details

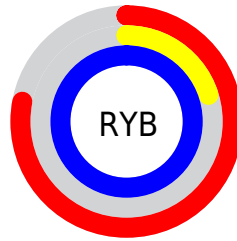
The Yxy color **21.8670, 0.2666, 0.1354** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **74.8224, 0.3193, 0.5648**, and the grayscale version is **18.1610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7415, 0.3188, 0.1986**, and **9.6067, 0.2485, 0.1143** is the 20% darker color. If you saturate the color by 10%, you get **19.2907, 0.2593, 0.1237**, and if you desaturate by 10%, it is **25.7044, 0.2740, 0.1519**.

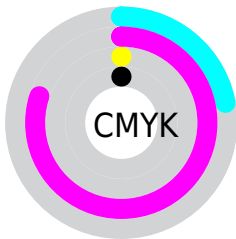
Distribution



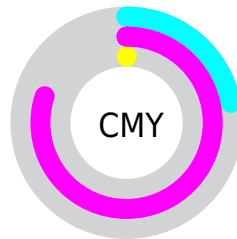
- Red (78%)
- Green (20%)
- Blue (100%)



- Red (78%)
- Yellow (20%)
- Blue (100%)



- Cyan (22%)
- Magenta (80%)
- Yellow (0%)
- Black (0%)



- Cyan (22%)
- Magenta (80%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8670, 0.2666, 0.1354 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 21.8670, 0.2666, 0.1354 by changing the saturation by 10% instead.


 21.8670, 0.2666,
0.1354


 21.8670, 0.2666,
0.1354


261.8509, 0.2959,
0.2215


 13.7592, 0.2581,
0.1179


 46.5261, 0.2783,
0.1638

 7.9534, 0.2467,
0.0977


 63.8462, 0.2824,
0.1753


 4.0651, 0.2312,
0.0748


 85.0058, 0.2858,
0.1855

 1.7101, 0.2096,
0.0498

 110.3893, 0.2886,
0.1944

 0.4302, 0.1795,
0.0212

 140.3812, 0.2909,
0.2024

 0.0000, 0.1362,
0.0000

175.3659, 0.2928,

 0.0000, 0.0614,

0.2094

0.0000

215.7276, 0.2945,
0.2158

■ 0.0000, 0.0000,
0.0000

■ 21.8670, 0.2666,
0.1354

■ 21.8670, 0.2666,
0.1354

■ 19.2907, 0.2593,
0.1237

■ 25.7044, 0.2740,
0.1519

■ 17.6911, 0.2523,
0.1163

■ 30.9796, 0.2813,
0.1727

■ 37.8393, 0.2882,
0.1968

■ 46.4118, 0.2946,
0.2231

■ 56.8124, 0.3002,
0.2504

69.1460, 0.3051,
0.2776

83.5097, 0.3093,
0.3040

99.9938, 0.3127,
0.3290

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.



21.8670, 0.1429, 0.1073



21.8670, 0.2666, 0.1354



21.8670, 0.4633, 0.1951

Triad

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



21.8670, 0.2666, 0.1354



21.8670, 0.5370, 0.4630



21.8670, 0.0738, 0.2742

Complementary

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



21.8670, 0.2666, 0.1354



74.8224, 0.3193, 0.5648

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.



21.8670, 0.1351, 0.5343



21.8670, 0.2666, 0.1354



21.8670, 0.3939, 0.6061

Square

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



21.8670, 0.2666, 0.1354



21.8670, 0.6359, 0.3527



21.8670, 0.2526, 0.6969



21.8670, 0.0633, 0.1504

Rectangle

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



21.8670, 0.2666, 0.1354



21.8670, 0.5863, 0.2458



21.8670, 0.2526, 0.6969



21.8670, 0.0870, 0.3472

Sweetspot

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



21.8665, 0.2666, 0.1354



63.9786, 0.3032, 0.2668



18.8169, 0.1768, 0.1338



12.7655, 0.3015, 0.2570



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.



21.8665, 0.2666, 0.1354



18.2609, 0.2551, 0.1190



28.3199, 0.3695, 0.1932



18.0397, 0.3095, 0.3053



9.3213, 0.2534, 0.1170



0.9613, 0.2614, 0.1214

Inverse Universe

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



24.6672, 0.5253, 0.2878



22.0059, 0.5801, 0.2992



73.0533, 0.2900, 0.5405



18.0675, 0.3252, 0.3226



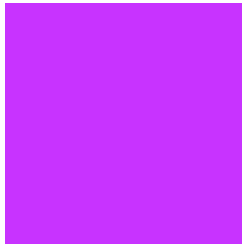
11.3528, 0.5873, 0.3009



1.1227, 0.5554, 0.2834

Previews

White Background



This preview shows how the Yxy color 21.8670, 0.2666, 0.1354 looks on a white background.

Color Contrast Check

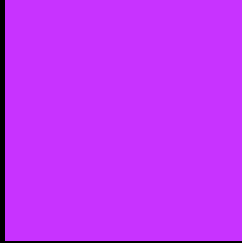
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8670, 0.2666, 0.1354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

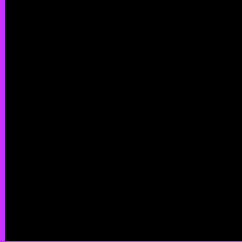
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.8670, 0.2666, 0.1354

Background



This preview shows how black text looks on a background with the Yxy color 21.8670, 0.2666, 0.1354.



This preview shows how white text looks on a background with the Yxy color 21.8670, 0.2666, 0.1354.

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

21.8670, 0.2666, 0.1354

Protanopia

22.3586, 0.1799, 0.1529

Deuteranopia

22.0021, 0.1830, 0.1786



Tritanopia

21.5698, 0.3990, 0.3175

Trichromacy



Original Color

21.8670, 0.2666, 0.1354



Protanomaly

18.6080, 0.1929, 0.1302



Deuteranomaly

17.2105, 0.1859, 0.1377



Tritanomaly

20.1712, 0.3436, 0.2244

Monochromacy



Original Color

21.8670, 0.2666, 0.1354



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

17.1285, 0.2927, 0.2154

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8670, 0.2666, 0.1354 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(200, 51, 255)` looks like.

```
.text, #text, p{  
    color:rgb(200, 51, 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(200, 51, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 51, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.8670, 0.2666, 0.1354 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(200, 51, 255) }
```

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

```
.border{ border-color:rgb(200, 51, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 51, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 51, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 51, 255);  
box-shadow:4px 4px 4px 4px rgb(200, 51,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8670, 0.2666, 0.1354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 51, 255) }
```

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

```
.background{ background-color: rgb(200, 51,  
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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