

Converting Colors

$Y_{xy}(21.6049, 0.2600, 0.1353)$

Have a look what the booklet for
Yxy(21.6049, 0.2600, 0.1353)
contains.

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Color

Yxy(21.6854, 0.2602, 0.1356)

Conversions

Conversions Part 1

Format	Color
Hex	C13BFF
RGB	193, 59, 255
RGB Percent	76%, 23%, 100%
CMY	0.2431, 0.7687, 0.0000
CMYK	0.24, 0.77, 0.00, 0.00
HSL	281°, 100%, 62%
HSV	281°, 77%, 100%
XYZ	41.6117, 21.6854, 96.6248
YIQ	121.4100, 16.9480, 89.3640

Conversions

Conversions Part 2

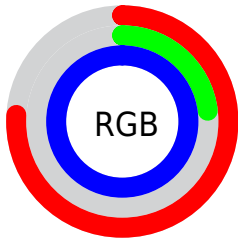
Format	Color
R _Y B	193, 59, 255
Decimal	12663807
CIE Lab	53.69, 79.27, -72.04
CIE LCh	54, 107.109, 317.736
Yxy	21.6854, 0.2602, 0.1356
Android (android.graphics.Color)	4290853887 (0xFFC13BFF)
YUV	121.4100, 65.8599, 62.7844
Hunter-Lab	46.5676, 78.0100, -90.4257

Details

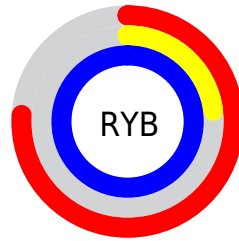
The Yxy color **21.6854, 0.2602, 0.1356** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **75.8978, 0.3248, 0.5549**, and the grayscale version is **19.0348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7238, 0.3178, 0.2020**, and **9.0178, 0.2400, 0.1096** is the 20% darker color. If you saturate the color by 10%, you get **18.6421, 0.2516, 0.1215**, and if you desaturate by 10%, it is **26.0625, 0.2689, 0.1545**.

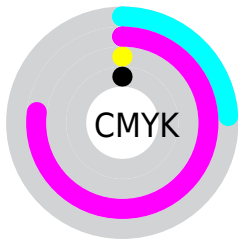
Distribution



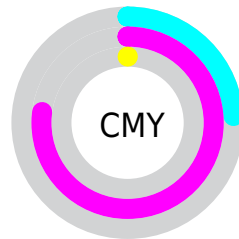
- Red (76%)
- Green (23%)
- Blue (100%)



- Red (76%)
- Yellow (23%)
- Blue (100%)



- Cyan (24%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (24%)
- Magenta (77%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.6854, 0.2602, 0.1356 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 21.6854, 0.2602, 0.1356 by changing the saturation by 10% instead.


 21.6854, 0.2602,
0.1356


 21.6854, 0.2602,
0.1356


260.8989, 0.2926,
0.2220


 13.6259, 0.2510,
0.1180


 46.2255, 0.2730,
0.1641

 7.8610, 0.2388,
0.0977


 63.4749, 0.2775,
0.1757

 4.0061, 0.2223,
0.0747


 84.5563, 0.2812,
0.1859

 1.6770, 0.1996,
0.0494

 109.8543, 0.2843,
0.1948

 0.4087, 0.1683,
0.0205

 139.7532, 0.2869,
0.2028

 0.0000, 0.1241,
0.0000

174.6373, 0.2891,


 0.0000, 0.0422,


0.2099

0.0000

214.8911, 0.2910,
0.2163

 0.0000, 0.0000,
0.0000

 21.6854, 0.2602,
0.1356

 21.6854, 0.2602,
0.1356


 18.6421, 0.2516,
0.1215


 26.0625, 0.2689,
0.1545


 16.7266, 0.2434,
0.1123


 31.9420, 0.2775,
0.1774

 16.2603, 0.2409,
0.1101

 39.4635, 0.2855,
0.2032

 48.7513, 0.2929,
0.2306

 59.9175, 0.2994,
0.2584

 73.0645, 0.3051,
0.2858

 88.2876, 0.3099,
0.3120

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.



21.6854, 0.1411, 0.1090



21.6854, 0.2602, 0.1356



21.6854, 0.4514, 0.1937

Triad

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



21.6854, 0.2602, 0.1356



21.6854, 0.5420, 0.4580



21.6854, 0.0779, 0.2847

Complementary

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



21.6854, 0.2602, 0.1356



75.8978, 0.3248, 0.5549

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.



21.6854, 0.1427, 0.5426



21.6854, 0.2602, 0.1356



21.6854, 0.4023, 0.5977

Square

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



21.6854, 0.2602, 0.1356



21.6854, 0.6346, 0.3504



21.6854, 0.2616, 0.6901



21.6854, 0.0653, 0.1564

Rectangle

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



21.6854, 0.2602, 0.1356



21.6854, 0.5749, 0.2440



21.6854, 0.2616, 0.6901



21.6854, 0.0922, 0.3588

Sweetspot

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



21.6843, 0.2602, 0.1356



64.7685, 0.3017, 0.2691



21.8358, 0.1829, 0.1496



12.8925, 0.2996, 0.2592



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.



21.6843, 0.2602, 0.1356



17.5357, 0.2473, 0.1162



29.5031, 0.3589, 0.1904



17.9955, 0.3087, 0.3052



8.5797, 0.2422, 0.1108



0.8938, 0.2513, 0.1158

Inverse Universe

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



25.7649, 0.4993, 0.2782



22.5933, 0.5517, 0.2862



73.2737, 0.2919, 0.5397



18.0817, 0.3244, 0.3215



11.4401, 0.5710, 0.2919



1.1327, 0.5391, 0.2743

Previews

White Background



This preview shows how the Yxy color 21.6854, 0.2602, 0.1356 looks on a white background.

Color Contrast Check

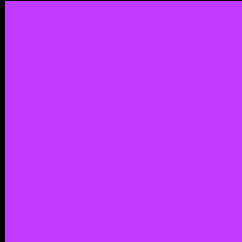
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6854, 0.2602, 0.1356 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 21.6854, 0.2602, 0.1356

Background



This preview shows how black text looks on a background with the Yxy color 21.6854, 0.2602, 0.1356.



This preview shows how white text looks on a background with the Yxy color 21.6854, 0.2602, 0.1356.

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

21.6854, 0.2602, 0.1356

Protanopia

22.0474, 0.1790, 0.1514

Deuteranopia

21.9458, 0.1832, 0.1795



Tritanopia

21.4714, 0.3843, 0.3170

Trichromacy



Original Color

21.6854, 0.2602, 0.1356



Protanomaly

18.7140, 0.1907, 0.1311



Deuteranomaly

17.6372, 0.1858, 0.1415



Tritanomaly

20.1847, 0.3329, 0.2261

Monochromacy



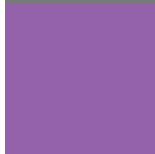
Original Color

21.6854, 0.2602, 0.1356



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

17.8407, 0.2895, 0.2183

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.6854, 0.2602, 0.1356 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(193, 59, 255)` looks like.

```
.text, #text, p{  
    color:rgb(193, 59, 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(193, 59, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 59, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.6854, 0.2602, 0.1356 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(193, 59, 255) }
```

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

```
.border{ border-color:rgb(193, 59, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 59, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 59, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 59, 255);  
box-shadow:4px 4px 4px 4px rgb(193, 59,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.6854, 0.2602, 0.1356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 59, 255) }
```

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

```
.background{ background-color: rgb(193, 59,  
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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