

Converting Colors

$Y_{xy}(21.2350, 0.2514, 0.1349)$

Have a look what the booklet for
Yxy(21.2350, 0.2514, 0.1349)
contains.

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Color

Yxy(21.1837, 0.2512, 0.1347)

Conversions

Conversions Part 1

Format	Color
Hex	B742FF
RGB	183, 66, 255
RGB Percent	72%, 26%, 100%
CMY	0.2827, 0.7407, 0.0002
CMYK	0.28, 0.74, 0.00, 0.00
HSL	277°, 100%, 63%
HSV	277°, 74%, 100%
XYZ	39.5052, 21.1837, 96.5769
YIQ	122.5290, 9.0630, 83.5830

Conversions

Conversions Part 2

Format	Color
R _{YB}	183, 66, 255
Decimal	12010239
CIE _{Lab}	53.15, 75.08, -72.94
CIE _{LCh}	53, 104.677, 315.830
Y _{xy}	21.1837, 0.2512, 0.1347
Android (android.graphics.Color)	4290200319 (0xFFB742FF)
YUV	122.5290, 65.3082, 53.0331
Hunter-Lab	46.0258, 72.6664, -92.1916

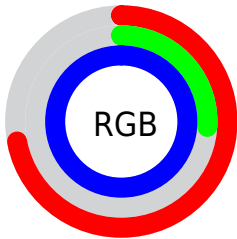
Details

The Yxy color **21.1837, 0.2512, 0.1347** is a light color, and the websafe version is hex **CC33FF**.

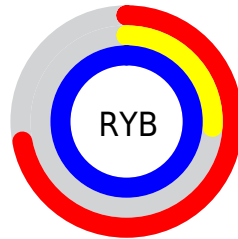
The color can be described as light washed purple. A complement of this color would be **77.3039, 0.3323, 0.5438**, and the grayscale version is **19.4380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8684, 0.3088, 0.2017**, and **8.2422, 0.2282, 0.1031** is the 20% darker color. If you saturate the color by 10%, you get **17.6828, 0.2409, 0.1180**, and if you desaturate by 10%, it is **26.0955, 0.2617, 0.1561**.

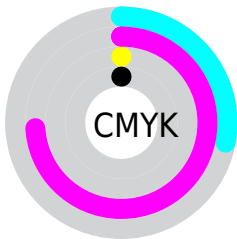
Distribution



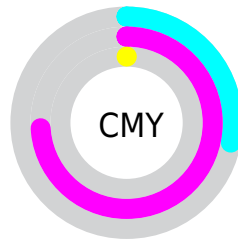
- Red (72%)
- Green (26%)
- Blue (100%)



- Red (72%)
- Yellow (26%)
- Blue (100%)



- Cyan (28%)
- Magenta (74%)
- Yellow (0%)
- Black (0%)





- Cyan (28%)
- Magenta (74%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1837, 0.2512, 0.1347 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 21.1837, 0.2512, 0.1347 by changing the saturation by 10% instead.


 21.1837, 0.2512,
0.1347


 21.1837, 0.2512,
0.1347


258.2531, 0.2880,
0.2219


 13.2583, 0.2410,
0.1169


 45.3931, 0.2655,
0.1636

 7.6067, 0.2276,
0.0964


 62.4459, 0.2707,
0.1752


 3.8443, 0.2097,
0.0731


 83.3099, 0.2749,
0.1855

 1.5869, 0.1853,
0.0478

 108.3697, 0.2784,
0.1945

 0.3487, 0.1526,
0.0179

 138.0095, 0.2814,
0.2026

 0.0000, 0.1073,
0.0000

172.6137, 0.2839,


 0.0000, 0.0119,


0.2097


0.0000


212.5668, 0.2861,
0.2161

 0.0000, 0.0000,
0.0000


 21.1837, 0.2512,
0.1347

 21.1837, 0.2512,
0.1347


 17.6828, 0.2409,
0.1180


 26.0955, 0.2617,
0.1561


 15.3977, 0.2311,
0.1065


 32.5737, 0.2719,
0.1812

 14.4547, 0.2256,
0.1016

 40.7555, 0.2816,
0.2087

 50.7619, 0.2904,
0.2372

 62.7026, 0.2982,
0.2656

 76.6786, 0.3049,
0.2931

 92.7836, 0.3107,
0.3190

99.9972, 0.3127,
0.3290

Harmonies

Analogous

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



21.1837, 0.1377, 0.1101



21.1837, 0.2512, 0.1347



21.1837, 0.4368, 0.1908

Triad

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



21.1837, 0.2512, 0.1347



21.1837, 0.5490, 0.4510



21.1837, 0.0824, 0.2986

Complementary

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



21.1837, 0.2512, 0.1347



77.3039, 0.3323, 0.5438

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.



21.1837, 0.1515, 0.5557



21.1837, 0.2512, 0.1347



21.1837, 0.4127, 0.5873

Square

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



21.1837, 0.2512, 0.1347



21.1837, 0.6346, 0.3462



21.1837, 0.2722, 0.6842



21.1837, 0.0669, 0.1633

Rectangle

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



21.1837, 0.2512, 0.1347



21.1837, 0.5616, 0.2405



21.1837, 0.2722, 0.6842



21.1837, 0.0981, 0.3747

Sweetspot

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



21.1845, 0.2512, 0.1347



65.4452, 0.2996, 0.2714



26.7026, 0.1909, 0.1730



13.2481, 0.2977, 0.2638



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.



21.1845, 0.2512, 0.1347



16.4236, 0.2360, 0.1117



31.0411, 0.3427, 0.1838



17.9340, 0.3077, 0.3051



7.6443, 0.2271, 0.1025



0.8071, 0.2376, 0.1083

Inverse Universe

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



27.0019, 0.4703, 0.2658



23.3223, 0.5183, 0.2702



73.3615, 0.2958, 0.5456



18.1018, 0.3234, 0.3200



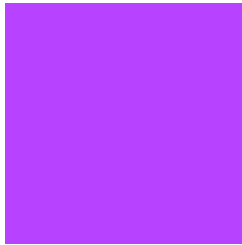
11.5894, 0.5459, 0.2781



1.1489, 0.5152, 0.2612

Previews

White Background



This preview shows how the Yxy color 21.1837, 0.2512, 0.1347 looks on a white background.

Color Contrast Check

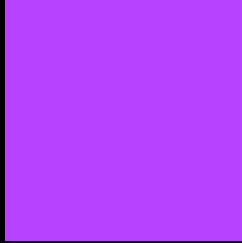
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1837, 0.2512, 0.1347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

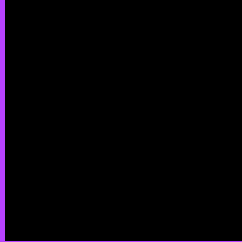
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1837, 0.2512, 0.1347

Background



This preview shows how black text looks on a background with the Yxy color 21.1837, 0.2512, 0.1347.



This preview shows how white text looks on a background with the Yxy color 21.1837, 0.2512, 0.1347.

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

21.1837, 0.2512, 0.1347

Protanopia

21.6619, 0.1773, 0.1496

Deuteranopia

21.5113, 0.1835, 0.1807



Tritanopia

20.9383, 0.3620, 0.3147

Trichromacy



Original Color

21.1837, 0.2512, 0.1347



Protanomaly

18.7012, 0.1874, 0.1316



Deuteranomaly

17.8231, 0.1858, 0.1449



Tritanomaly

19.8145, 0.3139, 0.2240

Monochromacy



Original Color

21.1837, 0.2512, 0.1347



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

18.4628, 0.2862, 0.2222

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1837, 0.2512, 0.1347 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(183, 66, 255)` looks like.

```
.text, #text, p{  
    color:rgb(183, 66, 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(183, 66, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 66, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.1837, 0.2512, 0.1347 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(183, 66, 255) }
```

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

```
.border{ border-color:rgb(183, 66, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 66, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 66, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 66, 255);  
box-shadow:4px 4px 4px 4px rgb(183, 66,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1837, 0.2512, 0.1347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 66, 255) }
```

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

```
.background{ background-color: rgb(183, 66,  
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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