

Converting Colors

Yxy(21.4665, 0.2632, 0.1366)

Have a look what the booklet for
Yxy(21.4665, 0.2632, 0.1366)
contains.

Yxy(21.4239, 0.2633, 0.1367)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(21.4239, 0.2633, 0.1367)

Conversions

Conversions Part 1

Format	Color
Hex	C239FC
RGB	194, 57, 252
RGB Percent	76%, 22%, 99%
CMY	0.2395, 0.7760, 0.0119
CMYK	0.23, 0.77, 0.00, 0.01
HSL	282°, 97%, 61%
HSV	282°, 77%, 99%
XYZ	41.2649, 21.4239, 94.0332
YIQ	120.1930, 19.0570, 89.6890

Conversions

Conversions Part 2

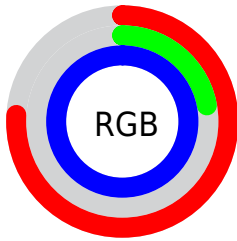
Format	Color
RYB	194, 57, 252
Decimal	12728828
CIELab	53.41, 79.42, -70.79
CIELCh	53, 106.388, 318.290
Yxy	21.4239, 0.2633, 0.1367
Android (android.graphics.Color)	4290918908 (0xFFC239FC)
YUV	120.1930, 64.9809, 64.7287
Hunter-Lab	46.2860, 78.1361, -88.0517

Details

The Yxy color **21.4239, 0.2633, 0.1367** 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 **73.5563, 0.3229, 0.5571**, and the grayscale version is **18.6464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6737, 0.3187, 0.2016**, and **8.9634, 0.2438, 0.1117** is the 20% darker color. If you saturate the color by 10%, you get **18.5478, 0.2552, 0.1232**, and if you desaturate by 10%, it is **25.5869, 0.2715, 0.1550**.

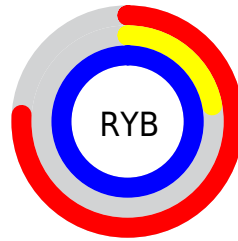
Distribution



Red (76%)

Green (22%)

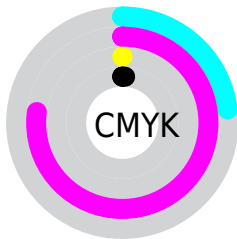
Blue (99%)



Red (76%)

Yellow (22%)

Blue (99%)

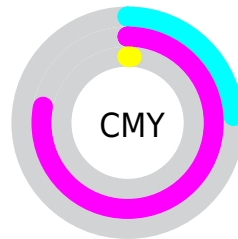


Cyan (23%)

Magenta (77%)

Yellow (0%)

Black (1%)



Cyan (24%)


Magenta (78%)


Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4239, 0.2633, 0.1367 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 21.4239, 0.2633, 0.1367 by changing the saturation by 10% instead.


 21.4239, 0.2633,
0.1367


 21.4239, 0.2633,
0.1367


259.5228, 0.2942,
0.2230


 13.4342, 0.2544,
0.1190


 45.7920, 0.2756,
0.1653


 7.7282, 0.2425,
0.0986


 62.9391, 0.2799,
0.1768


 3.9215, 0.2263,
0.0753


 83.9076, 0.2835,
0.1870

 1.6298, 0.2038,
0.0498

 109.0817, 0.2864,
0.1959

 0.3775, 0.1727,
0.0198

 138.8459, 0.2888,
0.2038

 0.0000, 0.1278,
0.0000

173.5845, 0.2909,


 0.0000, 0.0401,


0.2109


0.0000


213.6820, 0.2927,
0.2173

 0.0000, 0.0000,
0.0000


 21.4239, 0.2633,
0.1367


 21.4239, 0.2633,
0.1367


 18.5478, 0.2552,
0.1232


 25.5869, 0.2715,
0.1550


 16.7467, 0.2474,
0.1144


 31.1960, 0.2795,
0.1774


 16.3640, 0.2454,
0.1125


 38.3894, 0.2871,
0.2027

 47.2884, 0.2940,
0.2298

 58.0019, 0.3001,
0.2574

 70.6300, 0.3054,
0.2847

 85.2651, 0.3099,
0.3108

 99.6128, 0.3138,
0.3319

 99.8066, 0.3145,
0.3319

Harmonies

Analogous

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



21.4239, 0.1429, 0.1095



21.4239, 0.2633, 0.1367



21.4239, 0.4549, 0.1953

Triad

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



21.4239, 0.2633, 0.1367



21.4239, 0.5395, 0.4605



21.4239, 0.0777, 0.2814

Complementary

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



21.4239, 0.2633, 0.1367



73.5563, 0.3229, 0.5571

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.



21.4239, 0.1413, 0.5369



21.4239, 0.2633, 0.1367



21.4239, 0.3999, 0.6001

Square

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



21.4239, 0.2633, 0.1367



21.4239, 0.6332, 0.3523



21.4239, 0.2596, 0.6892



21.4239, 0.0657, 0.1554

Rectangle

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



21.4239, 0.2633, 0.1367



21.4239, 0.5770, 0.2457



21.4239, 0.2596, 0.6892



21.4239, 0.0917, 0.3543

Sweetspot

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



21.4247, 0.2633, 0.1367



64.9538, 0.3025, 0.2693



20.2927, 0.1813, 0.1445



12.9377, 0.3005, 0.2593



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.



21.4247, 0.2633, 0.1367



17.8826, 0.2507, 0.1176



28.4325, 0.3631, 0.1926



17.2498, 0.3090, 0.3053



8.6064, 0.2467, 0.1132



0.8520, 0.2557, 0.1183

Inverse Universe

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



24.8698, 0.5064, 0.2817



22.4005, 0.5614, 0.2908



71.3235, 0.2908, 0.5373



17.3103, 0.3247, 0.3220



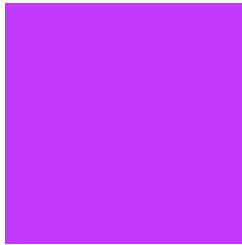
11.0681, 0.5774, 0.2954



1.0429, 0.5437, 0.2769

Previews

White Background



This preview shows how the Yxy color 21.4239, 0.2633, 0.1367 looks on a white background.

Color Contrast Check

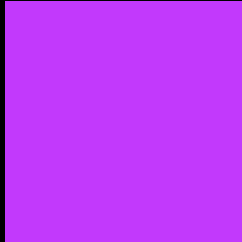
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4239, 0.2633, 0.1367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

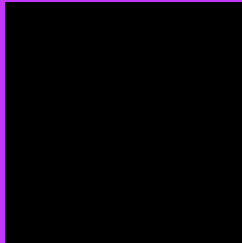
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4239, 0.2633, 0.1367

Background



This preview shows how black text looks on a background with the Yxy color 21.4239, 0.2633, 0.1367.



This preview shows how white text looks on a background with the Yxy color 21.4239, 0.2633, 0.1367.

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

21.4239, 0.2633, 0.1367

Protanopia

21.7260, 0.1779, 0.1499

Deuteranopia

21.6224, 0.1830, 0.1789



Tritanopia

21.1295, 0.3879, 0.3156

Trichromacy



Original Color

21.4239, 0.2633, 0.1367



Protanomaly

18.3547, 0.1898, 0.1302



Deuteranomaly

17.1545, 0.1862, 0.1405



Tritanomaly

19.9261, 0.3356, 0.2253

Monochromacy



Original Color

21.4239, 0.2633, 0.1367



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.5796, 0.2916, 0.2193

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4239, 0.2633, 0.1367 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(194, 57, 252)` looks like.

```
.text, #text, p{  
  color:rgb(194, 57, 252)  
}
```

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(194, 57, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 57, 252) }
```

Border

The CSS property to change the border of an element to Yxy 21.4239, 0.2633, 0.1367 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(194, 57, 252) }
```

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

```
.border{ border-color:rgb(194, 57, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 57, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 57, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 57, 252); box-shadow:4px 4px 4px 4px rgb(194, 57, 252) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4239, 0.2633, 0.1367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 57, 252) }
```

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

```
.background{ background-color: rgb(194, 57,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor