

Converting Colors

$Y_{xy}(21.5067, 0.2750, 0.1322)$

Have a look what the booklet for
Yxy(21.5067, 0.2750, 0.1322)
contains.

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Color

Yxy(21.4706, 0.2749, 0.1321)

Conversions

Conversions Part 1

Format	Color
Hex	D119FF
RGB	209, 25, 255
RGB Percent	82%, 10%, 100%
CMY	0.1806, 0.9012, 0.0001
CMYK	0.18, 0.90, 0.00, 0.00
HSL	288°, 100%, 55%
HSV	288°, 90%, 100%
XYZ	44.6803, 21.4706, 96.3820
YIQ	106.2360, 35.8340, 110.5380

Conversions

Conversions Part 2

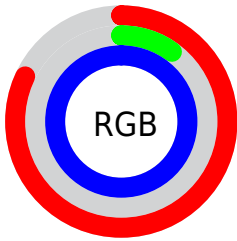
Format	Color
R _Y B	209, 25, 255
Decimal	13703679
CIE Lab	53.46, 89.37, -72.27
CIE LCh	53, 114.939, 321.039
Yxy	21.4706, 0.2749, 0.1321
Android (android.graphics.Color)	4291893759 (0xFFD119FF)
YUV	106.2360, 73.3407, 90.1240
Hunter-Lab	46.3364, 91.0317, -90.8908

Details

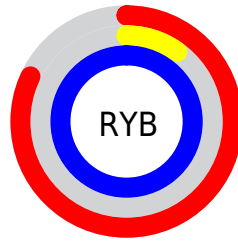
The Yxy color **21.4706, 0.2749, 0.1321** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light washed magenta. A complement of this color would be **72.9278, 0.3097, 0.5860**, and the grayscale version is **14.2975, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1805, 0.3192, 0.1900**, and **10.3271, 0.2584, 0.1197** is the 20% darker color. If you saturate the color by 10%, you get **20.0437, 0.2697, 0.1259**, and if you desaturate by 10%, it is **23.8654, 0.2803, 0.1424**.

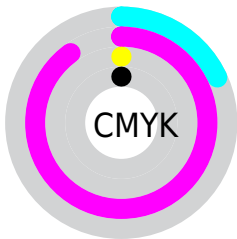
Distribution



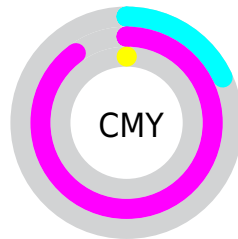
- Red (82%)
- Green (10%)
- Blue (100%)



- Red (82%)
- Yellow (10%)
- Blue (100%)



- Cyan (18%)
- Magenta (90%)
- Yellow (0%)
- Black (0%)





- Cyan (18%)
- Magenta (90%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4706, 0.2749, 0.1321 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 21.4706, 0.2749, 0.1321 by changing the saturation by 10% instead.


 21.4706, 0.2749,
0.1321


 21.4706, 0.2749,
0.1321


259.7690, 0.3005,
0.2191


 13.4684, 0.2672,
0.1146


 45.8694, 0.2854,
0.1606


 7.7519, 0.2567,
0.0945


 63.0349, 0.2890,
0.1723

 3.9366, 0.2423,
0.0718


 84.0236, 0.2919,
0.1825

 1.6382, 0.2219,
0.0472

 109.2199, 0.2943,
0.1916

 0.3831, 0.1932,
0.0187

 139.0081, 0.2962,
0.1996

 0.0000, 0.1505,
0.0000

173.7728, 0.2979,

 0.0000, 0.0820,

0.2068

0.0000

213.8983, 0.2993,
0.2132

■ 0.0000, 0.0000,
0.0000

■ 21.4706, 0.2749,
0.1321

■ 21.4706, 0.2749,
0.1321

■ 20.0437, 0.2697,
0.1259

■ 23.8654, 0.2803,
0.1424

■ 27.5005, 0.2857,
0.1574

■ 32.5521, 0.2910,
0.1767

■ 39.1671, 0.2959,
0.1995

■ 47.4739, 0.3003,
0.2246

■ 57.5874, 0.3043,
0.2510

■ 69.6126, 0.3076,
0.2777

■ 83.6460, 0.3104,
0.3038

■ 99.7779, 0.3127,
0.3287

Harmonies

Analogous

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



21.4706, 0.1426, 0.1018



21.4706, 0.2749, 0.1321



21.4706, 0.4844, 0.1943

Triad

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



21.4706, 0.2749, 0.1321



21.4706, 0.5308, 0.4692



21.4706, 0.0644, 0.2566

Complementary

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



21.4706, 0.2749, 0.1321



72.9278, 0.3097, 0.5860

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.



21.4706, 0.1199, 0.5271



21.4706, 0.2749, 0.1321



21.4706, 0.3786, 0.6214

Square

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



21.4706, 0.2749, 0.1321



21.4706, 0.6431, 0.3537



21.4706, 0.2350, 0.7163



21.4706, 0.0575, 0.1386

Rectangle

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



21.4706, 0.2749, 0.1321



21.4706, 0.6091, 0.2455



21.4706, 0.2350, 0.7163



21.4706, 0.0758, 0.3294

Sweetspot

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



21.4715, 0.2749, 0.1321



61.1388, 0.3054, 0.2593



12.4575, 0.1621, 0.0963



12.2585, 0.3042, 0.2502



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.



21.4715, 0.2749, 0.1321



20.0468, 0.2697, 0.1259



25.6725, 0.3991, 0.2014



18.1058, 0.3106, 0.3054



10.5395, 0.2706, 0.1264



1.0706, 0.2766, 0.1297

Inverse Universe

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



22.4180, 0.5836, 0.3062



21.4997, 0.6115, 0.3142



72.4613, 0.2876, 0.5481



18.0466, 0.3263, 0.3243



11.2507, 0.6079, 0.3122



1.1101, 0.5781, 0.2958

Previews

White Background



This preview shows how the Yxy color 21.4706, 0.2749, 0.1321 looks on a white background.

Color Contrast Check

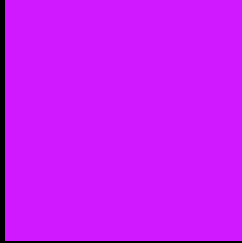
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.4706, 0.2749, 0.1321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

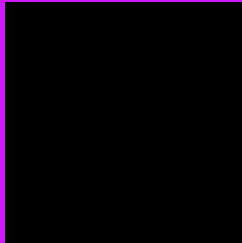
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4706, 0.2749, 0.1321

Background



This preview shows how black text looks on a background with the Yxy color 21.4706, 0.2749, 0.1321.



This preview shows how white text looks on a background with the Yxy color 21.4706, 0.2749, 0.1321.

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

21.4706, 0.2749, 0.1321

Protanopia

22.0104, 0.1786, 0.1513

Deuteranopia

21.8897, 0.1835, 0.1804



Tritanopia

21.4257, 0.4252, 0.3197

Trichromacy



Original Color

21.4706, 0.2749, 0.1321



Protanomaly

16.8521, 0.1906, 0.1204



Deuteranomaly

15.5382, 0.1852, 0.1289



Tritanomaly

19.2420, 0.3639, 0.2207

Monochromacy



Original Color

21.4706, 0.2749, 0.1321



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.6855, 0.2953, 0.1988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4706, 0.2749, 0.1321 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(209, 25, 255)` looks like.

```
.text, #text, p{  
    color:rgb(209, 25, 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(209, 25, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 25, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.4706, 0.2749, 0.1321 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(209, 25, 255) }
```

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

```
.border{ border-color:rgb(209, 25, 255) }
```

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

Here you see how a box with a 4 pixel rgb(209, 25, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 25, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 25, 255);  
box-shadow:4px 4px 4px 4px rgb(209, 25,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4706, 0.2749, 0.1321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 25, 255) }
```

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

```
.background{ background-color: rgb(209, 25,  
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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