

Converting Colors

$Y_{xy}(21.0239, 0.2797, 0.1315)$

Have a look what the booklet for
Yxy(21.0239, 0.2797, 0.1315)
contains.

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Color

Yxy(21.0470, 0.2803, 0.1319)

Conversions

Conversions Part 1

Format	Color
Hex	D401FC
RGB	212, 1, 252
RGB Percent	83%, 0%, 99%
CMY	0.1687, 0.9953, 0.0118
CMYK	0.16, 1.00, 0.00, 0.01
HSL	290°, 99%, 50%
HSV	290°, 100%, 99%
XYZ	44.7269, 21.0470, 93.7940
YIQ	92.7030, 45.1850, 122.7930

Conversions

Conversions Part 2

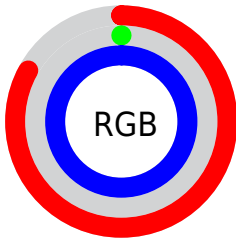
Format	Color
R _Y B	212, 1, 252
Decimal	13894140
CIE Lab	53.00, 91.49, -71.33
CIE LCh	53, 116.011, 322.058
Yxy	21.0470, 0.2803, 0.1319
Android (android.graphics.Color)	4292084220 (0xFFD401FC)
YUV	92.7030, 78.5334, 104.6235
Hunter-Lab	45.8770, 93.7402, -89.1025

Details

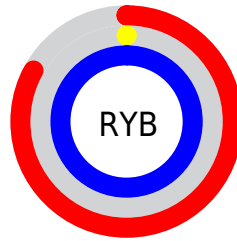
The Yxy color **21.0470, 0.2803, 0.1319** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **70.0946, 0.3041, 0.5965**, and the grayscale version is **10.7080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.4744, 0.2652, 0.1234** is the 20% darker color. If you saturate the color by 10%, you get **20.9932, 0.2801, 0.1317**, and if you desaturate by 10%, it is **22.3834, 0.2845, 0.1376**.

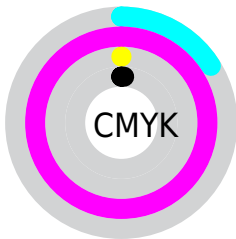
Distribution



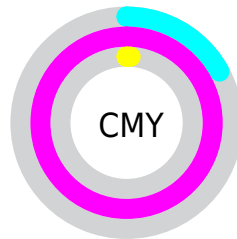
- Red (83%)
- Green (0%)
- Blue (99%)



- Red (83%)
- Yellow (0%)
- Blue (99%)



- Cyan (16%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)





- Cyan (17%)
- Magenta (100%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0470, 0.2803, 0.1319 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 21.0470, 0.2803, 0.1319 by changing the saturation by 10% instead.


 21.0470, 0.2803,
0.1319


 21.0470, 0.2803,
0.1319


257.5282, 0.3033,
0.2191


 13.1584, 0.2731,
0.1143


 45.1657, 0.2899,
0.1606

 7.5377, 0.2632,
0.0941


 62.1646, 0.2932,
0.1722


 3.8006, 0.2495,
0.0713


 82.9691, 0.2958,
0.1825

 1.5626, 0.2297,
0.0465

 107.9634, 0.2979,
0.1916

 0.3322, 0.2018,
0.0169

 137.5321, 0.2997,
0.1996

 0.0000, 0.1587,
0.0000

 172.0596, 0.3011,

 0.0000, 0.0883,

0.2068

0.0000

211.9301, 0.3023,
0.2133

■ 0.0000, 0.0000,
0.0000

■ 21.0470, 0.2803,
0.1319

■ 21.0470, 0.2803,
0.1319

■ 20.9932, 0.2801,
0.1317

■ 22.3834, 0.2845,
0.1376

■ 24.6672, 0.2888,
0.1475

■ 28.1617, 0.2930,
0.1619

■ 33.0348, 0.2970,
0.1805

■ 39.4279, 0.3007,
0.2027

■ 47.4646, 0.3040,
0.2273

■ 57.2560, 0.3069,
0.2532

■ 68.9032, 0.3093,
0.2795

■ 82.4996, 0.3112,
0.3054

Harmonies

Analogous

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



21.0470, 0.1440, 0.1006



21.0470, 0.2803, 0.1319



21.0470, 0.4943, 0.1952

Triad

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



21.0470, 0.2803, 0.1319



21.0470, 0.5266, 0.4734



21.0470, 0.0615, 0.2485

Complementary

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



21.0470, 0.2803, 0.1319



70.0946, 0.3041, 0.5965

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.



21.0470, 0.1141, 0.5195



21.0470, 0.2803, 0.1319



21.0470, 0.3715, 0.6285

Square

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



21.0470, 0.2803, 0.1319



21.0470, 0.6443, 0.3557



21.0470, 0.2277, 0.7218



21.0470, 0.0561, 0.1343

Rectangle

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



21.0470, 0.2803, 0.1319



21.0470, 0.6179, 0.2466



21.0470, 0.2277, 0.7218



21.0470, 0.0720, 0.3201

Sweetspot

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



21.0479, 0.2803, 0.1319



58.2782, 0.3067, 0.2519



8.7635, 0.1537, 0.0730



11.5255, 0.3056, 0.2409



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.



21.0479, 0.2803, 0.1319



21.5635, 0.2801, 0.1317



23.5621, 0.4292, 0.2140



17.3761, 0.3112, 0.3054



10.9905, 0.2808, 0.1321



1.0543, 0.2859, 0.1348

Inverse Universe

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



20.8818, 0.6197, 0.3190



21.4179, 0.6208, 0.3194



70.2766, 0.2872, 0.5537



17.2704, 0.3269, 0.3252



10.8748, 0.6176, 0.3176



1.0199, 0.5884, 0.3015

Previews

White Background



This preview shows how the Yxy color 21.0470, 0.2803, 0.1319 looks on a white background.

Color Contrast Check

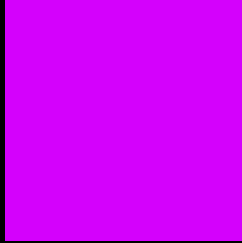
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0470, 0.2803, 0.1319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

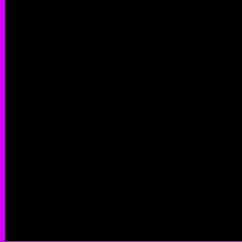
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.0470, 0.2803, 0.1319

Background



This preview shows how black text looks on a background with the Yxy color 21.0470, 0.2803, 0.1319.



This preview shows how white text looks on a background with the Yxy color 21.0470, 0.2803, 0.1319.

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

21.0470, 0.2803, 0.1319

Protanopia

21.9754, 0.1783, 0.1512

Deuteranopia

21.6224, 0.1830, 0.1789



Tritanopia

21.1708, 0.4352, 0.3199

Trichromacy



Original Color

21.0470, 0.2803, 0.1319



Protanomaly

15.4004, 0.1891, 0.1127



Deuteranomaly

13.8787, 0.1833, 0.1186



Tritanomaly

18.2003, 0.3741, 0.2155

Monochromacy



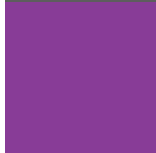
Original Color

21.0470, 0.2803, 0.1319



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7003, 0.2967, 0.1830

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0470, 0.2803, 0.1319 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(212, 1, 252)` looks like.

```
.text, #text, p{  
    color:rgb(212, 1, 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(212, 1, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 1, 252) }
```

Border

The CSS property to change the border of an element to Yxy 21.0470, 0.2803, 0.1319 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(212, 1, 252) }
```

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

```
.border{ border-color:rgb(212, 1, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 1, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 1, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 1, 252);  
box-shadow:4px 4px 4px 4px rgb(212, 1,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 21.0470, 0.2803, 0.1319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 1, 252) }
```

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

```
.background{ background-color: rgb(212, 1,  
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](#).

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