

Converting Colors

Yxy(21.3453, 0.2786, 0.1309)

Have a look what the booklet for
Yxy(21.3453, 0.2786, 0.1309)
contains.

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Color

Yxy(21.3878, 0.2788, 0.1310)

Conversions

Conversions Part 1

Format	Color
Hex	D501FF
RGB	213, 1, 255
RGB Percent	84%, 0%, 100%
CMY	0.1644, 0.9980, 0.0000
CMYK	0.16, 1.00, 0.00, 0.00
HSL	290°, 100%, 50%
HSV	290°, 100%, 100%
XYZ	45.5185, 21.3878, 96.3594
YIQ	93.3440, 44.8180, 123.9380

Conversions

Conversions Part 2

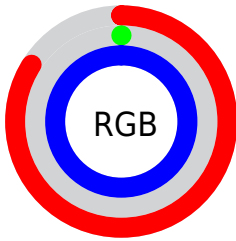
Format	Color
R _Y B	213, 1, 255
Decimal	13959679
CIE Lab	53.37, 92.17, -72.41
CIE LCh	53, 117.216, 321.847
Yxy	21.3878, 0.2788, 0.1310
Android (android.graphics.Color)	4292149759 (0xFFD501FF)
YUV	93.3440, 79.6964, 104.9383
Hunter-Lab	46.2469, 94.7561, -91.1628

Details

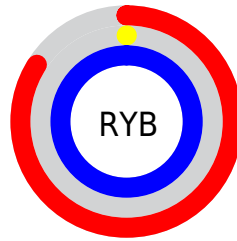
The Yxy color **21.3878, 0.2788, 0.1310** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **72.0226, 0.3043, 0.5965**, and the grayscale version is **10.7672, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.2154, 0.3194, 0.1867**, and **10.7066, 0.2634, 0.1225** is the 20% darker color. If you saturate the color by 10%, you get **21.3635, 0.2787, 0.1309**, and if you desaturate by 10%, it is **22.7517, 0.2832, 0.1367**.

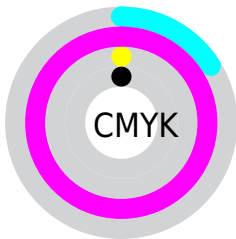
Distribution



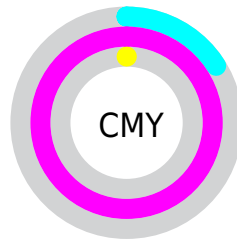
- Red (84%)
- Green (0%)
- Blue (100%)



- Red (84%)
- Yellow (0%)
- Blue (100%)



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




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.3878, 0.2788, 0.1310 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 21.3878, 0.2788, 0.1310 by changing the saturation by 10% instead.


 21.3878, 0.2788,
0.1310


 21.3878, 0.2788,
0.1310


259.3323, 0.3026,
0.2182


 13.4078, 0.2714,
0.1135


 45.7321, 0.2886,
0.1596


 7.7099, 0.2615,
0.0935


 62.8651, 0.2920,
0.1712


 3.9099, 0.2476,
0.0709


 83.8179, 0.2947,
0.1815

 1.6233, 0.2278,
0.0465

 108.9748, 0.2969,
0.1905

 0.3732, 0.1999,
0.0181

 138.7203, 0.2987,
0.1986

 0.0000, 0.1578,
0.0000

 173.4388, 0.3002,

 0.0000, 0.0920,

0.2058

0.0000

213.5147, 0.3015,
0.2123

■ 0.0000, 0.0000,
0.0000

■ 21.3878, 0.2788,
0.1310

■ 21.3878, 0.2788,
0.1310

■ 21.3635, 0.2787,
0.1309

■ 22.7517, 0.2832,
0.1367

■ 25.0779, 0.2876,
0.1465

■ 28.6440, 0.2919,
0.1609

■ 33.6241, 0.2961,
0.1796

■ 40.1645, 0.3000,
0.2017

■ 48.3929, 0.3034,
0.2263

■ 58.4239, 0.3065,
0.2523

■ 70.3619, 0.3090,
0.2787

■ 84.3033, 0.3111,
0.3046

Harmonies

Analogous

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



21.3878, 0.1428, 0.0999



21.3878, 0.2788, 0.1310



21.3878, 0.4935, 0.1941

Triad

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



21.3878, 0.2788, 0.1310



21.3878, 0.5278, 0.4722



21.3878, 0.0610, 0.2492

Complementary

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



21.3878, 0.2788, 0.1310



72.0226, 0.3043, 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.



21.3878, 0.1139, 0.5228



21.3878, 0.2788, 0.1310



21.3878, 0.3720, 0.6280

Square

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



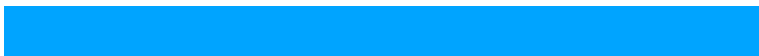
21.3878, 0.2788, 0.1310



21.3878, 0.6456, 0.3544



21.3878, 0.2277, 0.7239



21.3878, 0.0555, 0.1341

Rectangle

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



21.3878, 0.2788, 0.1310



21.3878, 0.6182, 0.2455



21.3878, 0.2277, 0.7239



21.3878, 0.0716, 0.3216

Sweetspot

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



21.3869, 0.2788, 0.1310



58.2073, 0.3064, 0.2518



8.9452, 0.1535, 0.0726



11.5084, 0.3052, 0.2408



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.



21.3869, 0.2788, 0.1310



21.3635, 0.2787, 0.1309



24.1796, 0.4297, 0.2141



18.1400, 0.3111, 0.3054



11.2191, 0.2795, 0.1313



1.1309, 0.2845, 0.1341

Inverse Universe

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



21.4413, 0.6193, 0.3187



21.4273, 0.6197, 0.3188



72.1845, 0.2873, 0.5543



18.0359, 0.3268, 0.3251



11.2105, 0.6166, 0.3170



1.1047, 0.5887, 0.3017

Previews

White Background



This preview shows how the Yxy color 21.3878, 0.2788, 0.1310 looks on a white background.

Color Contrast Check

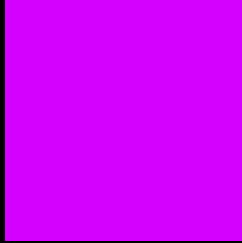
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.3878, 0.2788, 0.1310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

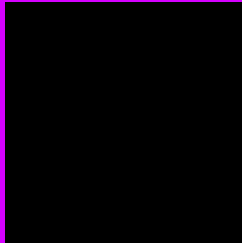
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.3878, 0.2788, 0.1310

Background



This preview shows how black text looks on a background with the Yxy color 21.3878, 0.2788, 0.1310.



This preview shows how white text looks on a background with the Yxy color 21.3878, 0.2788, 0.1310.

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

21.3878, 0.2788, 0.1310

Protanopia

22.3186, 0.1795, 0.1528

Deuteranopia

22.0021, 0.1830, 0.1786



Tritanopia

21.5133, 0.4343, 0.3199

Trichromacy



Original Color

21.3878, 0.2788, 0.1310



Protanomaly

15.7821, 0.1907, 0.1140



Deuteranomaly

14.2097, 0.1827, 0.1182



Tritanomaly

18.5194, 0.3722, 0.2148

Monochromacy



Original Color

21.3878, 0.2788, 0.1310



Achromatopsia

10.9462, 0.3127, 0.3290



Achromatomaly

10.7133, 0.2969, 0.1812

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3878, 0.2788, 0.1310 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(213, 1, 255)` looks like.

```
.text, #text, p{  
    color:rgb(213, 1, 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(213, 1, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 1, 255) }
```

Border

The CSS property to change the border of an element to Yxy 21.3878, 0.2788, 0.1310 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(213, 1, 255) }
```

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

```
.border{ border-color:rgb(213, 1, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 1, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 1, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 1, 255);  
box-shadow:4px 4px 4px 4px rgb(213, 1,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3878, 0.2788, 0.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 1, 255) }
```

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

```
.background{ background-color: rgb(213, 1,  
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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