

Converting Colors

Yxy(23.7826, 0.2879, 0.1406)

Have a look what the booklet for
Yxy(23.7826, 0.2879, 0.1406)
contains.

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Color

Yxy(23.7826, 0.2879, 0.1406)

Conversions

Conversions Part 1

Format	Color
Hex	DE20FF
RGB	222, 32, 255
RGB Percent	87%, 13%, 100%
CMY	0.1294, 0.8748, 0.0000
CMYK	0.13, 0.87, 0.00, 0.00
HSL	291°, 100%, 56%
HSV	291°, 87%, 100%
XYZ	48.6985, 23.7826, 96.6697
YIQ	114.2320, 41.6570, 109.6330

Conversions

Conversions Part 2

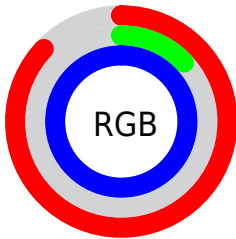
Format	Color
R _Y B	222, 32, 255
Decimal	14557439
CIE Lab	55.87, 90.31, -68.31
CIE LCh	56, 113.237, 322.897
Yxy	23.7826, 0.2879, 0.1406
Android (android.graphics.Color)	4292747519 (0xFFDE20FF)
YUV	114.2320, 69.3986, 94.5125
Hunter-Lab	48.7674, 92.9049, -83.3910

Details

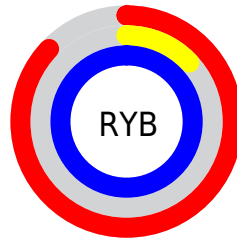
The Yxy color **23.7826, 0.2879, 0.1406** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed magenta. A complement of this color would be **72.7450, 0.3072, 0.5851**, and the grayscale version is **16.6674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2051, 0.3191, 0.1935**, and **11.6083, 0.2749, 0.1288** is the 20% darker color. If you saturate the color by 10%, you get **22.3021, 0.2840, 0.1345**, and if you desaturate by 10%, it is **26.3226, 0.2919, 0.1511**.

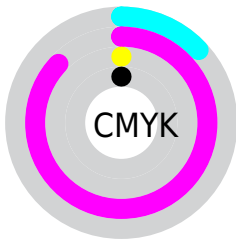
Distribution



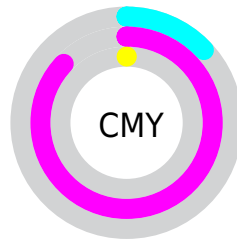
- Red (87%)
- Green (13%)
- Blue (100%)



- Red (87%)
- Yellow (13%)
- Blue (100%)



- Cyan (13%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)





- Cyan (13%)
- Magenta (87%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.7826, 0.2879, 0.1406 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 23.7826, 0.2879, 0.1406 by changing the saturation by 10% instead.


 23.7826, 0.2879,
0.1406


 23.7826, 0.2879,
0.1406


271.7195, 0.3064,
0.2237


 15.1724, 0.2820,
0.1237


 49.6752, 0.2957,
0.1680

 8.9405, 0.2738,
0.1041


 67.7264, 0.2984,
0.1791

 4.7024, 0.2623,
0.0817


 89.6935, 0.3005,
0.1889

 2.0737, 0.2456,
0.0568

 115.9607, 0.3021,
0.1975

 0.6498, 0.2209,
0.0300

 146.9125, 0.3035,
0.2052

 0.0000, 0.1844,
0.0000

182.9333, 0.3046,

 0.0000, 0.1259,

0.2120

0.0000

224.4075, 0.3056,
0.2182

■ 0.0000, 0.0000,
0.0000

■ 23.7826, 0.2879,
0.1406

■ 23.7826, 0.2879,
0.1406

■ 22.3021, 0.2840,
0.1345

■ 26.3226, 0.2919,
0.1511


■ 22.0160, 0.2831,
0.1333

■ 30.1452, 0.2957,
0.1662

■ 35.4146, 0.2993,
0.1854

■ 42.2721, 0.3026,
0.2079

■ 50.8421, 0.3055,
0.2327

 61.2365, 0.3080,
0.2587

 73.5577, 0.3101,
0.2849

 87.9003, 0.3117,
0.3105

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.7826, 0.1536, 0.1085



23.7826, 0.2879, 0.1406



23.7826, 0.4902, 0.2038

Triad

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



23.7826, 0.2879, 0.1406



23.7826, 0.5204, 0.4796



23.7826, 0.0695, 0.2507

Complementary

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



23.7826, 0.2879, 0.1406



72.7450, 0.3072, 0.5851

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.



23.7826, 0.1226, 0.4985



23.7826, 0.2879, 0.1406



23.7826, 0.3750, 0.6250

Square

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



23.7826, 0.2879, 0.1406



23.7826, 0.6294, 0.3642



23.7826, 0.2353, 0.6962



23.7826, 0.0636, 0.1413

Rectangle

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



23.7826, 0.2879, 0.1406



23.7826, 0.6049, 0.2551



23.7826, 0.2353, 0.6962



23.7826, 0.0804, 0.3171

Sweetspot

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



23.7807, 0.2879, 0.1406



62.9338, 0.3083, 0.2626



11.3517, 0.1611, 0.0889



12.6331, 0.3075, 0.2535



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.



23.7807, 0.2879, 0.1406



22.0160, 0.2831, 0.1333



25.4607, 0.4175, 0.2140



18.1563, 0.3114, 0.3054



11.5556, 0.2837, 0.1337



1.1605, 0.2882, 0.1361

Inverse Universe

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



22.6700, 0.5891, 0.3127



21.3981, 0.6232, 0.3207



72.9519, 0.2820, 0.5252



18.0308, 0.3271, 0.3255



11.1940, 0.6202, 0.3190



1.1023, 0.5935, 0.3043

Previews

White Background



This preview shows how the Yxy color 23.7826, 0.2879, 0.1406 looks on a white background.

Color Contrast Check

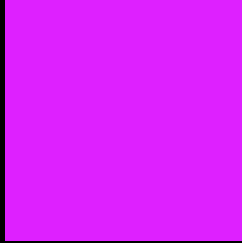
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7826, 0.2879, 0.1406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

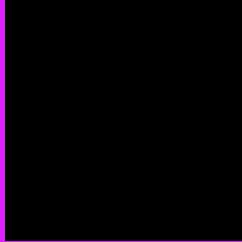
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.7826, 0.2879, 0.1406

Background



This preview shows how black text looks on a background with the Yxy color 23.7826, 0.2879, 0.1406.



This preview shows how white text looks on a background with the Yxy color 23.7826, 0.2879, 0.1406.

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

23.7826, 0.2879, 0.1406

Protanopia

24.1774, 0.1865, 0.1613

Deuteranopia

24.1192, 0.1851, 0.1789



Tritanopia

23.5228, 0.4399, 0.3204

Trichromacy



Original Color

23.7826, 0.2879, 0.1406



Protanomaly

19.2185, 0.2044, 0.1318



Deuteranomaly

17.8693, 0.1951, 0.1352



Tritanomaly

21.6537, 0.3795, 0.2293

Monochromacy



Original Color

23.7826, 0.2879, 0.1406



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

15.8296, 0.3025, 0.2073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.7826, 0.2879, 0.1406 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(222, 32, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 32, 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(222, 32, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 32, 255) }
```

Border

The CSS property to change the border of an element to Yxy 23.7826, 0.2879, 0.1406 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(222, 32, 255) }
```

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

```
.border{ border-color:rgb(222, 32, 255) }
```

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

Here you see how a box with a 4 pixel rgb(222, 32, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 32, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 32, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 32,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 23.7826, 0.2879, 0.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 32, 255) }
```

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

```
.background{ background-color: rgb(222, 32,  
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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