

Converting Colors

Yxy(51.4432, 0.3021, 0.2354)

Have a look what the booklet for
Yxy(51.4432, 0.3021, 0.2354)
contains.

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Color

Yxy(51.4189, 0.3023, 0.2353)

Conversions

Conversions Part 1

Format	Color
Hex	EDA3FF
RGB	237, 163, 255
RGB Percent	93%, 64%, 100%
CMY	0.0708, 0.3607, 0.0000
CMYK	0.07, 0.36, 0.00, 0.00
HSL	288°, 100%, 82%
HSV	288°, 36%, 100%
XYZ	66.0601, 51.4189, 101.0459
YIQ	195.6140, 14.5720, 44.3000

Conversions

Conversions Part 2

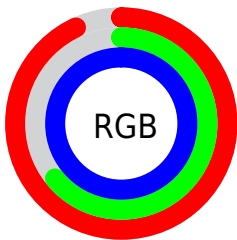
Format	Color
R _Y B	237, 163, 255
Decimal	15574015
CIE Lab	76.93, 42.33, -34.85
CIE LCh	77, 54.832, 320.532
Yxy	51.4189, 0.3023, 0.2353
Android (android.graphics.Color)	4293764095 (0xFFEDA3FF)
YUV	195.6140, 29.2773, 36.2955
Hunter-Lab	71.7070, 38.9560, -33.3536

Details

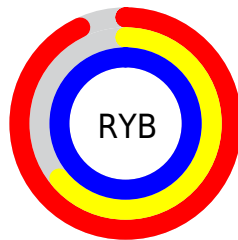
The Yxy color **51.4189, 0.3023, 0.2353** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **83.9941, 0.3182, 0.4350**, and the grayscale version is **54.7751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.1430, 0.3144, 0.2940**, and **24.9324, 0.2984, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **42.4099, 0.2982, 0.2096**, and if you desaturate by 10%, it is **62.2819, 0.3059, 0.2619**.

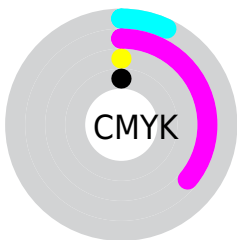
Distribution



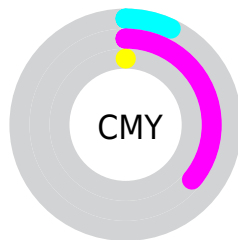
- Red (93%)
- Green (64%)
- Blue (100%)



- Red (93%)
- Yellow (64%)
- Blue (100%)



- Cyan (7%)
- Magenta (36%)
- Yellow (0%)
- Black (0%)





- Cyan (7%)
- Magenta (36%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4189, 0.3023, 0.2353 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 51.4189, 0.3023, 0.2353 by changing the saturation by 10% instead.


 51.4189, 0.3023,
0.2353


 51.4189, 0.3023,
0.2353

392.1891, 0.3086,
0.2775

 36.5421, 0.3005,
0.2260


 92.2737, 0.3048,
0.2497

 24.8532, 0.2982,
0.2147


 119.0204, 0.3056,
0.2554

 15.9677, 0.2949,
0.2008


150.4926, 0.3064,
0.2603

 9.5013, 0.2902,
0.1832

187.0747, 0.3070,
0.2646

 5.0696, 0.2831,
0.1606

229.1510, 0.3075,
0.2684

 2.2881, 0.2716,
0.1306

277.1059, 0.3079,

 0.7674, 0.2514,

0.2718

0.0902

331.3238, 0.3083,
0.2748

0.0000, 0.2185,
0.0000

0.0000, 0.0000,
0.0000

51.4189, 0.3023,
0.2353

51.4189, 0.3023,
0.2353

42.4099, 0.2982,
0.2096

62.2819, 0.3059,
0.2619

35.1377, 0.2935,
0.1858

75.0935, 0.3089,
0.2884

29.4820, 0.2885,
0.1651

89.9499, 0.3114,
0.3141

25.3043, 0.2833,
0.1484

99.9997, 0.3127,
0.3290

■ 22.4425, 0.2780,
0.1362

■ 20.6950, 0.2728,
0.1287

■ 20.1957, 0.2707,
0.1265

Harmonies

Analogous

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



51.4189, 0.2378, 0.2173



51.4189, 0.3023, 0.2353



51.4189, 0.3784, 0.2723

Triad

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



51.4189, 0.3023, 0.2353



51.4189, 0.4356, 0.4287



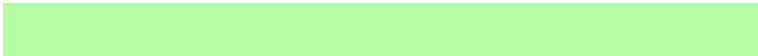
51.4189, 0.1993, 0.3165

Complementary

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



51.4189, 0.3023, 0.2353



83.9941, 0.3182, 0.4350

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.



51.4189, 0.2431, 0.3952



51.4189, 0.3023, 0.2353



51.4189, 0.3794, 0.4626

Square

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



51.4189, 0.3023, 0.2353



51.4189, 0.4599, 0.3767



51.4189, 0.3088, 0.4542



51.4189, 0.1844, 0.2549

Rectangle

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



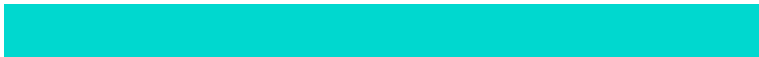
51.4189, 0.3023, 0.2353



51.4189, 0.4226, 0.3044



51.4189, 0.3088, 0.4542



51.4189, 0.2108, 0.3422

Sweetspot

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



51.4211, 0.3023, 0.2353



82.3622, 0.3103, 0.3015



48.2287, 0.2497, 0.2420



17.2015, 0.3099, 0.2980



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.



51.4211, 0.3023, 0.2353



44.9845, 0.2995, 0.2173



53.0320, 0.3398, 0.2640



18.1098, 0.3106, 0.3054



10.6168, 0.2716, 0.1270



1.0775, 0.2775, 0.1302

Inverse Universe

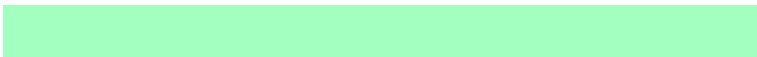
The Inverse Universe completely reimagines the original color for something new.



50.8025, 0.3828, 0.3103



44.4027, 0.4033, 0.3067



83.0512, 0.2935, 0.4047



18.0453, 0.3263, 0.3244



11.2456, 0.6090, 0.3128



1.1094, 0.5794, 0.2965

Previews

White Background



This preview shows how the Yxy color 51.4189, 0.3023, 0.2353 looks on a white background.

Color Contrast Check

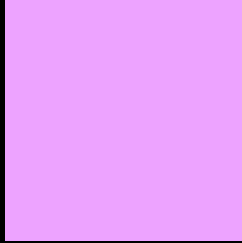
Large Text (above 18pt) WCAG AA × Fail

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 51.4189, 0.3023, 0.2353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

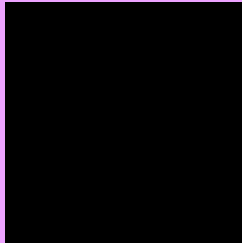
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4189, 0.3023, 0.2353

Background



This preview shows how black text looks on a background with the Yxy color 51.4189, 0.3023, 0.2353.



This preview shows how white text looks on a background with the Yxy color 51.4189, 0.3023, 0.2353.

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

51.4189, 0.3023, 0.2353

Protanopia

51.7325, 0.2552, 0.2509

Deuteranopia

51.6729, 0.2617, 0.2555



Tritanopia

51.2624, 0.3471, 0.3132

Trichromacy



Original Color

51.4189, 0.3023, 0.2353



Protanomaly

50.9295, 0.2702, 0.2439



Deuteranomaly

50.8748, 0.2749, 0.2463

Tritanomaly

50.9698, 0.3297, 0.2817

Monochromacy



Original Color

51.4189, 0.3023, 0.2353



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

53.1396, 0.3096, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4189, 0.3023, 0.2353 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(237, 163, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 163, 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(237, 163, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 163, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.4189, 0.3023, 0.2353 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(237, 163, 255) }
```

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

```
.border{ border-color:rgb(237, 163, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 163, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 163, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 163, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 163,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4189, 0.3023, 0.2353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 163, 255) }
```

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

```
.background{ background-color: rgb(237,  
163, 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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