

Converting Colors

Yxy(59.7894, 0.2537, 0.1680)

Have a look what the booklet for
Yxy(59.7894, 0.2537, 0.1680)
contains.

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Color

Yxy(51.8796, 0.3156, 0.2324)

Conversions

Conversions Part 1

Format	Color
Hex	FD9CFF
RGB	253, 156, 255
RGB Percent	99%, 61%, 100%
CMY	0.0077, 0.3883, 0.0000
CMYK	0.01, 0.39, 0.00, 0.00
HSL	299°, 100%, 81%
HSV	299°, 39%, 100%
XYZ	70.4527, 51.8796, 100.9018
YIQ	196.2890, 26.0330, 51.3530

Conversions

Conversions Part 2

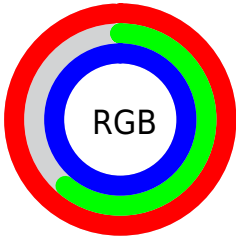
Format	Color
R _{YB}	253, 156, 255
Decimal	16620799
CIE _{Lab}	77.21, 50.74, -34.28
CIE _{LCh}	77, 61.239, 325.955
Y _{xy}	51.8796, 0.3156, 0.2324
Android (android.graphics.Color)	4294810879 (0xFFFD9CFF)
YUV	196.2890, 28.9445, 49.7355
Hunter-Lab	72.0275, 48.5491, -32.6389

Details

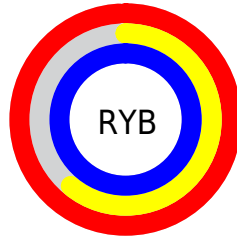
The Yxy color **51.8796, 0.3156, 0.2324** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **81.1805, 0.3082, 0.4480**, and the grayscale version is **55.1969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5670, 0.3147, 0.2871**, and **25.1821, 0.3149, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **44.1094, 0.3161, 0.2099**, and if you desaturate by 10%, it is **61.4507, 0.3150, 0.2568**.

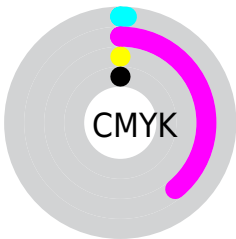
Distribution



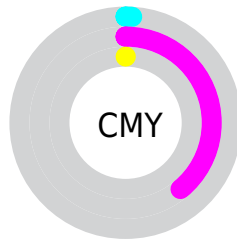
- Red (99%)
- Green (61%)
- Blue (100%)



- Red (99%)
- Yellow (61%)
- Blue (100%)



- Cyan (1%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.8796, 0.3156, 0.2324 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 51.8796, 0.3156, 0.2324 by changing the saturation by 10% instead.


 51.8796, 0.3156,
0.2324


 51.8796, 0.3156,
0.2324


393.9716, 0.3157,
0.2756

 36.9091, 0.3152,
0.2230


 92.9537, 0.3159,
0.2470

 25.1371, 0.3146,
0.2116


 119.8260, 0.3160,
0.2528

 16.1793, 0.3135,
0.1976


151.4344, 0.3160,
0.2578

 9.6511, 0.3117,
0.1801

188.1634, 0.3159,
0.2623

 5.1682, 0.3085,
0.1575

230.3971, 0.3159,
0.2662

 2.3463, 0.3024,
0.1280

278.5202, 0.3158,

 0.7981, 0.2900,

0.2696

0.0888

332.9169, 0.3158,
0.2728

0.0000, 0.2730,
0.0000

0.0000, 0.0000,
0.0000

51.8796, 0.3156,
0.2324

51.8796, 0.3156,
0.2324

44.1094, 0.3161,
0.2099

61.4507, 0.3150,
0.2568

38.0199, 0.3164,
0.1902

72.9193, 0.3142,
0.2820

33.4872, 0.3166,
0.1742

86.3834, 0.3134,
0.3073

30.3674, 0.3166,
0.1625

99.9996, 0.3127,
0.3290

■ 28.4898, 0.3163,
0.1552

■ 27.6070, 0.3159,
0.1517

■ 27.5310, 0.3159,
0.1514

Harmonies

Analogous

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



51.8796, 0.2409, 0.2088



51.8796, 0.3156, 0.2324



51.8796, 0.4001, 0.2753

Triad

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



51.8796, 0.3156, 0.2324



51.8796, 0.4380, 0.4463



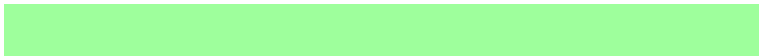
51.8796, 0.1829, 0.2994

Complementary

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



51.8796, 0.3156, 0.2324



81.1805, 0.3082, 0.4480

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.



51.8796, 0.2244, 0.3872



51.8796, 0.3156, 0.2324



51.8796, 0.3711, 0.4803

Square

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



51.8796, 0.3156, 0.2324



51.8796, 0.4739, 0.3900



51.8796, 0.2929, 0.4621



51.8796, 0.1729, 0.2377

Rectangle

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



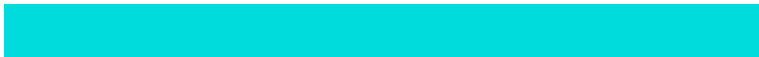
51.8796, 0.3156, 0.2324



51.8796, 0.4458, 0.3112



51.8796, 0.2929, 0.4621



51.8796, 0.1932, 0.3269

Sweetspot

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



51.8819, 0.3156, 0.2324



81.8916, 0.3137, 0.2993



39.1837, 0.2413, 0.2139



17.1451, 0.3138, 0.2960



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.



51.8819, 0.3156, 0.2324



45.4014, 0.3160, 0.2138



49.6263, 0.3577, 0.2748



18.2809, 0.3135, 0.3056



14.3948, 0.3160, 0.1514



1.4072, 0.3166, 0.1518

Inverse Universe

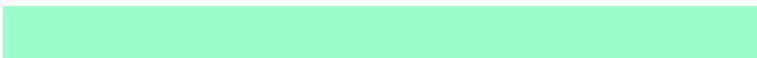
The Inverse Universe completely reimagines the original color for something new.



47.5003, 0.4085, 0.3272



40.4512, 0.4403, 0.3269



82.8563, 0.2840, 0.3912



17.9929, 0.3291, 0.3286



11.1171, 0.6381, 0.3289



1.0844, 0.6333, 0.3262

Previews

White Background



This preview shows how the Yxy color 51.8796, 0.3156, 0.2324 looks on a white background.

Color Contrast Check

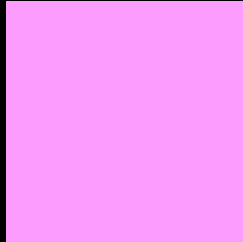
Large Text (above 18pt) WCAG AA × Fail

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 51.8796, 0.3156, 0.2324 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 51.8796, 0.3156, 0.2324

Background



This preview shows how black text looks on a background with the Yxy color 51.8796, 0.3156, 0.2324.

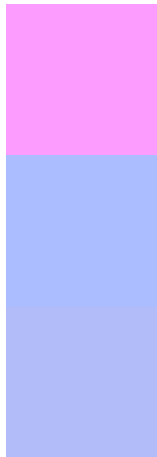


This preview shows how white text looks on a background with the Yxy color 51.8796, 0.3156, 0.2324.

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

51.8796, 0.3156, 0.2324

Protanopia

52.2731, 0.2560, 0.2523

Deuteranopia

52.2710, 0.2638, 0.2580



Tritanopia

51.8196, 0.3679, 0.3150

Trichromacy



Original Color

51.8796, 0.3156, 0.2324



Protanomaly

51.0818, 0.2751, 0.2428



Deuteranomaly

50.9948, 0.2805, 0.2462

Tritanomaly

51.6997, 0.3478, 0.2826

Monochromacy



Original Color

51.8796, 0.3156, 0.2324



Achromatopsia

55.2011, 0.3127, 0.3290



Achromatomaly

52.8092, 0.3146, 0.2881

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.8796, 0.3156, 0.2324 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(253, 156, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 156, 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(253, 156, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 156, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.8796, 0.3156, 0.2324 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(253, 156, 255) }
```

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

```
.border{ border-color:rgb(253, 156, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 156, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 156, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 156, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 156,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 51.8796, 0.3156, 0.2324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 156, 255) }
```

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

```
.background{ background-color: rgb(253,  
156, 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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