

Converting Colors

Yxy(50.9747, 0.3161, 0.2298)

Have a look what the booklet for
Yxy(50.9747, 0.3161, 0.2298)
contains.

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Color

Yxy(50.8851, 0.3157, 0.2296)

Conversions

Conversions Part 1

Format	Color
Hex	FD99FF
RGB	253, 153, 255
RGB Percent	99%, 60%, 100%
CMY	0.0076, 0.4001, 0.0000
CMYK	0.01, 0.40, 0.00, 0.00
HSL	299°, 100%, 80%
HSV	299°, 40%, 100%
XYZ	69.9670, 50.8851, 100.7729
YIQ	194.5280, 26.8580, 52.9220

Conversions

Conversions Part 2

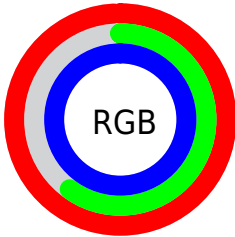
Format	Color
R _Y B	253, 153, 255
Decimal	16620031
CIE Lab	76.61, 52.28, -35.23
CIE LCh	77, 63.048, 326.024
Yxy	50.8851, 0.3157, 0.2296
Android (android.graphics.Color)	4294810111 (0xFFFD99FF)
YUV	194.5280, 29.8127, 51.2799
Hunter-Lab	71.3338, 50.2457, -33.8250

Details

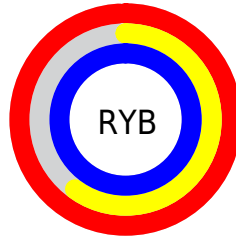
The Yxy color **50.8851, 0.3157, 0.2296** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **80.7797, 0.3080, 0.4523**, and the grayscale version is **54.0836, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0809, 0.3148, 0.2841**, and **24.6030, 0.3150, 0.2085** is the 20% darker color. If you saturate the color by 10%, you get **43.3213, 0.3162, 0.2074**, and if you desaturate by 10%, it is **60.2321, 0.3151, 0.2538**.

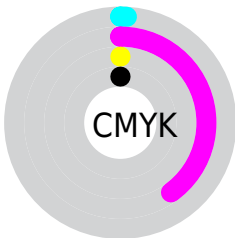
Distribution



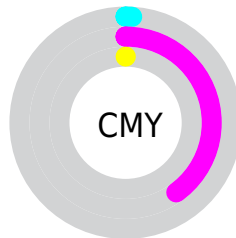
- Red (99%)
- Green (60%)
- Blue (100%)



- Red (99%)
- Yellow (60%)
- Blue (100%)



- Cyan (1%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.8851, 0.3157, 0.2296 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 50.8851, 0.3157, 0.2296 by changing the saturation by 10% instead.


 50.8851, 0.3157,
0.2296

 50.8851, 0.3157,
0.2296


390.1172, 0.3159,
0.2740

 36.1172, 0.3153,
0.2199


 91.4849, 0.3161,
0.2446

 24.5247, 0.3146,
0.2082


 118.0856, 0.3161,
0.2506

 15.7233, 0.3135,
0.1939


149.3993, 0.3161,
0.2558

 9.3286, 0.3115,
0.1759

185.8104, 0.3161,
0.2603

 4.9561, 0.3080,
0.1529

227.7034, 0.3160,
0.2643

 2.2215, 0.3015,
0.1228

275.4626, 0.3160,

 0.7317, 0.2885,

0.2679

0.0827

329.4724, 0.3159,
0.2711

0.0000, 0.2681,
0.0000

0.0000, 0.0000,
0.0000

50.8851, 0.3157,
0.2296

50.8851, 0.3157,
0.2296

43.3213, 0.3162,
0.2074

60.2321, 0.3151,
0.2538

37.4265, 0.3166,
0.1882

71.4673, 0.3143,
0.2790

33.0726, 0.3167,
0.1727

84.6871, 0.3135,
0.3043

30.1130, 0.3167,
0.1615

99.9813, 0.3127,
0.3290

■ 28.3730, 0.3164,
0.1547

100.0000, 0.3127,
0.3290

■ 27.5673, 0.3161,
0.1515

Harmonies

Analogous

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



50.8851, 0.2386, 0.2053



50.8851, 0.3157, 0.2296



50.8851, 0.4034, 0.2736

Triad

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



50.8851, 0.3157, 0.2296



50.8851, 0.4415, 0.4495



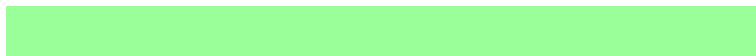
50.8851, 0.1788, 0.2977

Complementary

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



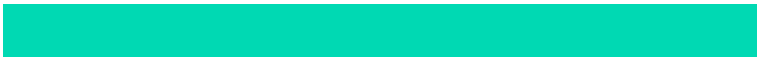
50.8851, 0.3157, 0.2296



80.7797, 0.3080, 0.4523

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.



50.8851, 0.2211, 0.3891



50.8851, 0.3157, 0.2296



50.8851, 0.3722, 0.4858

Square

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



50.8851, 0.3157, 0.2296



50.8851, 0.4792, 0.3912



50.8851, 0.2916, 0.4675



50.8851, 0.1688, 0.2343

Rectangle

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



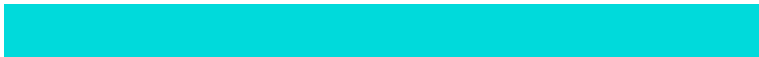
50.8851, 0.3157, 0.2296



50.8851, 0.4507, 0.3103



50.8851, 0.2916, 0.4675



50.8851, 0.1892, 0.3263

Sweetspot

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



50.8849, 0.3157, 0.2296



81.8958, 0.3137, 0.2993



37.8914, 0.2387, 0.2097



17.1461, 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.



50.8849, 0.3157, 0.2296



44.7047, 0.3161, 0.2117



48.5568, 0.3596, 0.2731



18.2816, 0.3135, 0.3056



14.4126, 0.3162, 0.1515



1.4087, 0.3167, 0.1518

Inverse Universe

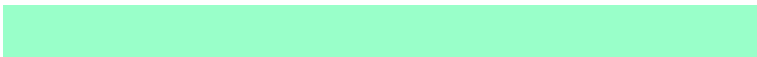
The Inverse Universe completely reimagines the original color for something new.



46.3968, 0.4129, 0.3272



39.6733, 0.4446, 0.3270



82.4870, 0.2832, 0.3934



17.9927, 0.3292, 0.3286



11.1168, 0.6381, 0.3289



1.0843, 0.6335, 0.3264

Previews

White Background



This preview shows how the Yxy color 50.8851, 0.3157, 0.2296 looks on a white background.

Color Contrast Check

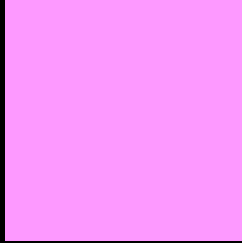
Large Text (above 18pt) WCAG AA × Fail

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 50.8851, 0.3157, 0.2296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

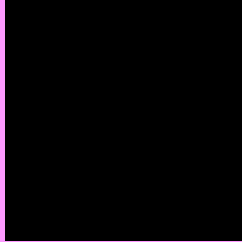
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.8851, 0.3157, 0.2296

Background



This preview shows how black text looks on a background with the Yxy color 50.8851, 0.3157, 0.2296.



This preview shows how white text looks on a background with the Yxy color 50.8851, 0.3157, 0.2296.

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

50.8851, 0.3157, 0.2296

Protanopia

51.1957, 0.2544, 0.2496

Deuteranopia

51.0713, 0.2615, 0.2552



Tritanopia

50.8080, 0.3694, 0.3149

Trichromacy



Original Color

50.8851, 0.3157, 0.2296



Protanomaly

50.1593, 0.2742, 0.2404



Deuteranomaly

49.9336, 0.2789, 0.2436

Tritanomaly

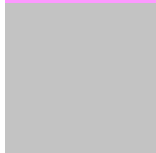
50.5720, 0.3492, 0.2805

Monochromacy



Original Color

50.8851, 0.3157, 0.2296



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.2512, 0.3139, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.8851, 0.3157, 0.2296 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, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 153, 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, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 153, 255) }
```

Border

The CSS property to change the border of an element to Yxy 50.8851, 0.3157, 0.2296 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, 153, 255) }
```

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

```
.border{ border-color:rgb(253, 153, 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, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 153,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 50.8851, 0.3157, 0.2296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 153, 255) }
```

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

```
.background{ background-color: rgb(253,  
153, 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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