

Converting Colors

$Y_{xy}(44.3829, 0.3169, 0.2109)$

Have a look what the booklet for
Yxy(44.3829, 0.3169, 0.2109)
contains.

Yxy(44.3352, 0.3165, 0.2105)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(44.3352, 0.3165, 0.2105)

Conversions

Conversions Part 1

Format	Color
Hex	FD83FF
RGB	253, 131, 255
RGB Percent	99%, 51%, 100%
CMY	0.0080, 0.4861, 0.0001
CMYK	0.01, 0.49, 0.00, 0.00
HSL	299°, 100%, 76%
HSV	299°, 49%, 100%
XYZ	66.6608, 44.3352, 99.6226
YIQ	181.6140, 32.9080, 64.4280

Conversions

Conversions Part 2

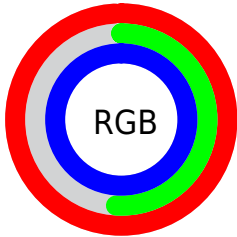
Format	Color
R _{YB}	253, 131, 255
Decimal	16614399
CIE _{Lab}	72.45, 62.98, -41.66
CIE _{LCh}	72, 75.509, 326.517
Y _{xy}	44.3352, 0.3165, 0.2105
Android (android.graphics.Color)	4294804479 (0xFFFD83FF)
YUV	181.6140, 36.1793, 62.6055
Hunter-Lab	66.5847, 62.1808, -42.0991

Details

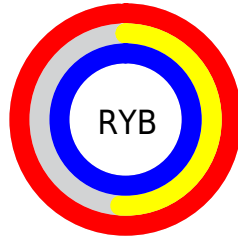
The Yxy color **44.3352, 0.3165, 0.2105** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.1274, 0.3065, 0.4834**, and the grayscale version is **46.3493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4464, 0.3158, 0.2634**, and **20.5787, 0.3147, 0.1852** is the 20% darker color. If you saturate the color by 10%, you get **38.2311, 0.3170, 0.1908**, and if you desaturate by 10%, it is **52.1283, 0.3159, 0.2330**.

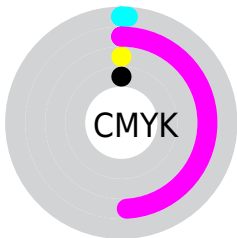
Distribution



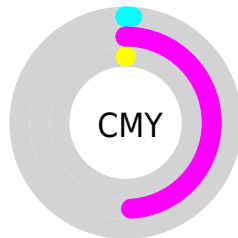
- Red (99%)
- Green (51%)
- Blue (100%)



- Red (99%)
- Yellow (51%)
- Blue (100%)



- Cyan (1%)
- Magenta (49%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (49%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3352, 0.3165, 0.2105 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 44.3352, 0.3165, 0.2105 by changing the saturation by 10% instead.


 44.3352, 0.3165,
0.2105

 44.3352, 0.3165,
0.2105


364.0744, 0.3170,
0.2633


 30.9341, 0.3159,
0.1991


 81.7219, 0.3171,
0.2283

 20.5487, 0.3148,
0.1854


 106.4763, 0.3172,
0.2354

 12.7945, 0.3130,
0.1686


 135.7839, 0.3172,
0.2416

 7.2872, 0.3100,
0.1479

170.0292, 0.3172,
0.2470

 3.6424, 0.3046,
0.1220

209.5965, 0.3172,
0.2518

 1.4756, 0.2947,
0.0894

254.8702, 0.3171,

 0.2714, 0.2796,

0.2561

0.0345

306.2347, 0.3170,
0.2599

■ 0.0000, 0.2350,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.3352, 0.3165,
0.2105

■ 44.3352, 0.3165,
0.2105

■ 38.2311, 0.3170,
0.1908

■ 52.1283, 0.3159,
0.2330

■ 33.6844, 0.3172,
0.1748

■ 61.7176, 0.3152,
0.2574

■ 30.5534, 0.3173,
0.1631

■ 73.2082, 0.3143,
0.2826

■ 28.6685, 0.3172,
0.1557

■ 86.6957, 0.3135,
0.3078

■ 27.7881, 0.3169,
0.1522

99.9978, 0.3127,
0.3290

■ 27.7003, 0.3168,
0.1519

Harmonies

Analogous

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



44.3352, 0.2229, 0.1819



44.3352, 0.3165, 0.2105



44.3352, 0.4271, 0.2616

Triad

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



44.3352, 0.3165, 0.2105



44.3352, 0.4634, 0.4703



44.3352, 0.1508, 0.2848

Complementary

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



44.3352, 0.3165, 0.2105



78.1274, 0.3065, 0.4834

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.



44.3352, 0.1976, 0.4025



44.3352, 0.3165, 0.2105



44.3352, 0.3773, 0.5241

Square

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



44.3352, 0.3165, 0.2105



44.3352, 0.5153, 0.3972



44.3352, 0.2805, 0.5073



44.3352, 0.1416, 0.2108

Rectangle

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



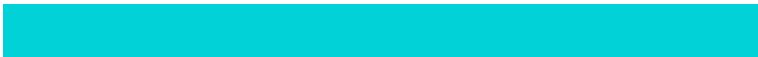
44.3352, 0.3165, 0.2105



44.3352, 0.4864, 0.3038



44.3352, 0.2805, 0.5073



44.3352, 0.1619, 0.3203

Sweetspot

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



44.3372, 0.3165, 0.2105



77.8602, 0.3140, 0.2917



28.8494, 0.2198, 0.1771



16.0791, 0.3142, 0.2864



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.



44.3372, 0.3165, 0.2105



38.5669, 0.3169, 0.1919



41.4394, 0.3766, 0.2636



18.2846, 0.3136, 0.3056



14.4852, 0.3169, 0.1519



1.4150, 0.3174, 0.1522

Inverse Universe

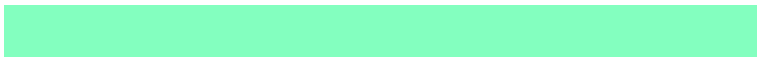
The Inverse Universe completely reimagines the original color for something new.



39.1907, 0.4476, 0.3274



32.9108, 0.4902, 0.3273



80.0854, 0.2775, 0.4077



17.9918, 0.3292, 0.3287



11.1156, 0.6384, 0.3291



1.0839, 0.6345, 0.3269

Previews

White Background



This preview shows how the Yxy color 44.3352, 0.3165, 0.2105 looks on a white background.

Color Contrast Check

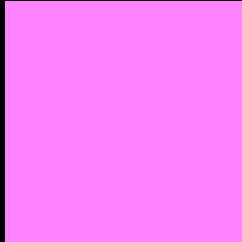
Large Text (above 18pt) WCAG AA × Fail

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 44.3352, 0.3165, 0.2105 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

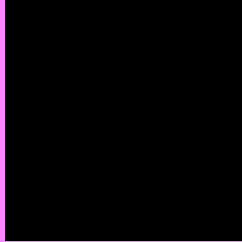
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.3352, 0.3165, 0.2105

Background



This preview shows how black text looks on a background with the Yxy color 44.3352, 0.3165, 0.2105.



This preview shows how white text looks on a background with the Yxy color 44.3352, 0.3165, 0.2105.

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

44.3352, 0.3165, 0.2105

Protanopia

44.8500, 0.2413, 0.2336

Deuteranopia

44.7346, 0.2480, 0.2421



Tritanopia

44.3400, 0.3912, 0.3171

Trichromacy



Original Color

44.3352, 0.3165, 0.2105



Protanomaly

43.0530, 0.2639, 0.2212



Deuteranomaly

43.1201, 0.2694, 0.2264

Tritanomaly

43.8748, 0.3631, 0.2737

Monochromacy



Original Color

44.3352, 0.3165, 0.2105



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.2077, 0.3144, 0.2746

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3352, 0.3165, 0.2105 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, 131, 255)` looks like.

```
.text, #text, p{  
    color:rgb(253, 131, 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, 131, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 131, 255) }
```

Border

The CSS property to change the border of an element to Yxy 44.3352, 0.3165, 0.2105 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, 131, 255) }
```

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

```
.border{ border-color:rgb(253, 131, 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, 131, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 131, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 131, 255);  
box-shadow:4px 4px 4px 4px rgb(253, 131,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3352, 0.3165, 0.2105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 131, 255) }
```

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

```
.background{ background-color: rgb(253,  
131, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor