

# Converting Colors

$Y_{xy}(44.4405, 0.3155, 0.2111)$

Have a look what the booklet for  
Yxy(44.4405, 0.3155, 0.2111)  
contains.

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# Color

**Yxy(44.4180, 0.3156, 0.2110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC84FF
RGB	252, 132, 255
RGB Percent	99%, 52%, 100%
CMY	0.0118, 0.4823, 0.0001
CMYK	0.01, 0.48, 0.00, 0.00
HSL	299°, 100%, 76%
HSV	299°, 48%, 100%
XYZ	66.4375, 44.4180, 99.6563
YIQ	181.9020, 32.0370, 63.6930

# Conversions

## Conversions Part 2

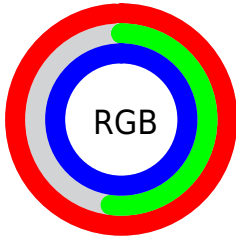
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	252, 132, 255
Decimal	16549119
CIE Lab	72.51, 62.24, -41.58
CIE LCh	73, 74.857, 326.253
Yxy	44.4180, 0.3156, 0.2110
Android (android.graphics.Color)	4294739199 (0xFFFC84FF)
YUV	181.9020, 36.0373, 61.4759
Hunter-Lab	66.6468, 61.3075, -42.0029

# Details

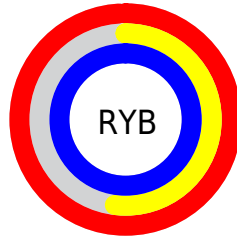
The Yxy color **44.4180, 0.3156, 0.2110** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **78.3217, 0.3070, 0.4818**, and the grayscale version is **46.5136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8752, 0.3157, 0.2644**, and **20.5836, 0.3135, 0.1856** is the 20% darker color. If you saturate the color by 10%, you get **38.2122, 0.3158, 0.1910**, and if you desaturate by 10%, it is **52.3177, 0.3152, 0.2337**.

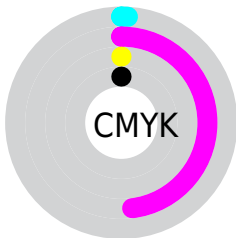
# Distribution



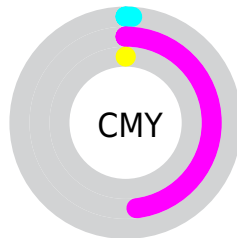
- Red (99%)
- Green (52%)
- Blue (100%)



- Red (99%)
- Yellow (52%)
- Blue (100%)



- Cyan (1%)
- Magenta (48%)
- Yellow (0%)
- Black (0%)




- Cyan (1%)
- Magenta (48%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4180, 0.3156, 0.2110 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 44.4180, 0.3156, 0.2110 by changing the saturation by 10% instead.





 44.4180, 0.3156,  
0.2110

 44.4180, 0.3156,  
0.2110

364.4113, 0.3165,  
0.2637


 30.9993, 0.3149,  
0.1996


 81.8464, 0.3163,  
0.2288

 20.5983, 0.3137,  
0.1859


 106.6248, 0.3165,  
0.2358

 12.8307, 0.3118,  
0.1692


 135.9585, 0.3166,  
0.2420

 7.3121, 0.3086,  
0.1486

170.2320, 0.3166,  
0.2474

 3.6580, 0.3030,  
0.1226

209.8297, 0.3166,  
0.2522

 1.4842, 0.2928,  
0.0901

255.1358, 0.3166,

 0.2775, 0.2771,

0.2564

306.5349, 0.3165,  
0.2602

0.0353

0.0000, 0.2318,  
0.0000

0.0000, 0.0000,  
0.0000

44.4180, 0.3156,  
0.2110

44.4180, 0.3156,  
0.2110

38.2122, 0.3158,  
0.1910

52.3177, 0.3152,  
0.2337

33.5692, 0.3159,  
0.1747

62.0181, 0.3147,  
0.2582

30.3483, 0.3157,  
0.1626

73.6240, 0.3140,  
0.2835

28.3808, 0.3153,  
0.1550

87.2307, 0.3133,  
0.3088

■ 27.4349, 0.3148,  
0.1512

99.9983, 0.3127,  
0.3290

■ 27.3161, 0.3147,  
0.1508

# Harmonies

## Analogous

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



44.4180, 0.2230, 0.1828



44.4180, 0.3156, 0.2110



44.4180, 0.4252, 0.2616

# Triad

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



44.4180, 0.3156, 0.2110



44.4180, 0.4631, 0.4690



44.4180, 0.1522, 0.2862

# Complementary

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



44.4180, 0.3156, 0.2110



78.3217, 0.3070, 0.4818

# 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.



44.4180, 0.1992, 0.4029



44.4180, 0.3156, 0.2110



44.4180, 0.3780, 0.5222

# Square

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



44.4180, 0.3156, 0.2110



44.4180, 0.5139, 0.3964



44.4180, 0.2819, 0.5060



44.4180, 0.1427, 0.2123



# Rectangle

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



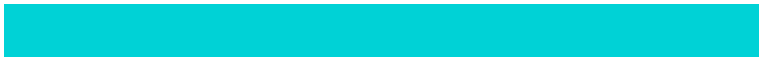
44.4180, 0.3156, 0.2110



44.4180, 0.4842, 0.3036



44.4180, 0.2819, 0.5060



44.4180, 0.1634, 0.3216

# Sweetspot

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



44.4200, 0.3156, 0.2110



79.1354, 0.3137, 0.2942



29.7691, 0.2211, 0.1809



16.3274, 0.3139, 0.2888



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.



44.4200, 0.3156, 0.2110



38.3404, 0.3158, 0.1915



41.8230, 0.3737, 0.2621



18.2765, 0.3134, 0.3056



14.2868, 0.3148, 0.1508



1.3979, 0.3156, 0.1512



# Inverse Universe

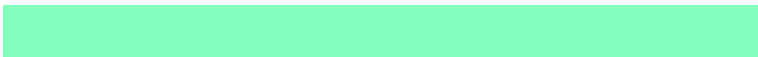
The Inverse Universe completely reimagines the original color for something new.



39.5141, 0.4448, 0.3263



32.9373, 0.4887, 0.3261



80.1020, 0.2787, 0.4096



17.9942, 0.3291, 0.3285



11.1190, 0.6376, 0.3286



1.0850, 0.6318, 0.3254



# Previews

## White Background



This preview shows how the Yxy color 44.4180, 0.3156, 0.2110 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

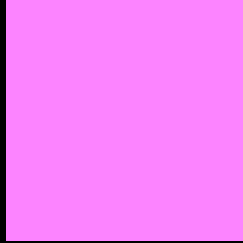
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4180, 0.3156, 0.2110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

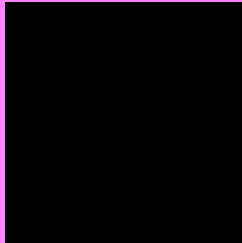
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.4180, 0.3156, 0.2110**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4180, 0.3156, 0.2110.



This preview shows how white text looks on a background with the Yxy color 44.4180, 0.3156, 0.2110.

# 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

44.4180, 0.3156, 0.2110

### Protanopia

44.8500, 0.2413, 0.2336

### Deuteranopia

44.7346, 0.2480, 0.2421



## Tritanopia

44.1999, 0.3892, 0.3159

# Trichromacy



## Original Color

44.4180, 0.3156, 0.2110



## Protanomaly

43.0530, 0.2639, 0.2212



## Deuteranomaly

42.9909, 0.2686, 0.2261



## Tritanomaly

43.7405, 0.3611, 0.2725

# Monochromacy



## Original Color

44.4180, 0.3156, 0.2110



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

44.4198, 0.3134, 0.2756

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4180, 0.3156, 0.2110 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(252, 132, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 132, 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(252, 132, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 132, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4180, 0.3156, 0.2110 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(252, 132, 255) }
```

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

```
.border{ border-color:rgb(252, 132, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 132, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 132, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 132, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 132,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4180, 0.3156, 0.2110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 132, 255) }
```

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

```
.background{ background-color: rgb(252,  
132, 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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