

# Converting Colors

$Y_{xy}(44.5703, 0.3183, 0.2107)$

Have a look what the booklet for  
Yxy(44.5703, 0.3183, 0.2107)  
contains.

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# Color

**Yxy(44.4453, 0.3183, 0.2103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF82FF
RGB	255, 130, 255
RGB Percent	100%, 51%, 100%
CMY	0.0000, 0.4902, 0.0001
CMYK	0.00, 0.49, 0.00, 0.00
HSL	300°, 100%, 75%
HSV	300°, 49%, 100%
XYZ	67.2703, 44.4453, 99.6268
YIQ	181.6250, 34.3750, 65.3750

# Conversions

## Conversions Part 2

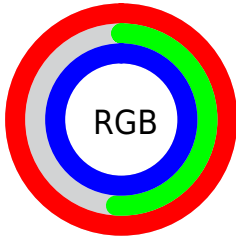
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 130, 255
Decimal	16745215
CIE <sub>Lab</sub>	72.53, 64.01, -41.53
CIE <sub>LCh</sub>	73, 76.306, 327.022
Yxy	44.4453, 0.3183, 0.2103
Android (android.graphics.Color)	4294935295 (0xFFFF82FF)
YUV	181.6250, 36.1739, 64.3499
Hunter-Lab	66.6673, 63.4466, -41.9351

# Details

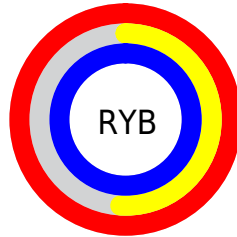
The Yxy color **44.4453, 0.3183, 0.2103** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **77.8791, 0.3054, 0.4854**, and the grayscale version is **46.3526, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0206, 0.3158, 0.2624**, and **20.7105, 0.3171, 0.1855** is the 20% darker color. If you saturate the color by 10%, you get **38.4825, 0.3192, 0.1911**, and if you desaturate by 10%, it is **52.0923, 0.3173, 0.2325**.

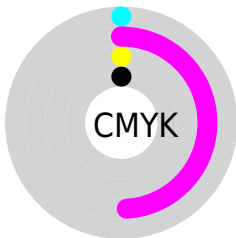
# Distribution



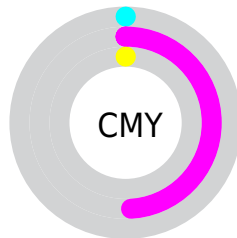
- Red (100%)
- Green (51%)
- Blue (100%)



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



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




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.4453, 0.3183, 0.2103 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 44.4453, 0.3183, 0.2103 by changing the saturation by 10% instead.



 44.4453, 0.3183,  
0.2103

 44.4453, 0.3183,  
0.2103


364.5223, 0.3179,  
0.2632


 31.0207, 0.3179,  
0.1989


 81.8874, 0.3186,  
0.2281

 20.6146, 0.3170,  
0.1852


 106.6737, 0.3186,  
0.2352

 12.8426, 0.3156,  
0.1685


 136.0161, 0.3185,  
0.2414

 7.3203, 0.3129,  
0.1478

170.2989, 0.3184,  
0.2468

 3.6632, 0.3082,  
0.1219

209.9065, 0.3183,  
0.2516

 1.4870, 0.2991,  
0.0895

255.2234, 0.3182,

 0.2795, 0.2851,

0.2559

0.0352

306.6338, 0.3180,  
0.2597

■ 0.0000, 0.2428,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.4453, 0.3183,  
0.2103

■ 44.4453, 0.3183,  
0.2103

■ 38.4825, 0.3192,  
0.1911

■ 52.0923, 0.3173,  
0.2325

■ 34.0721, 0.3199,  
0.1756

■ 61.5315, 0.3161,  
0.2566

■ 31.0714, 0.3205,  
0.1644

■ 72.8686, 0.3149,  
0.2816

■ 29.3091, 0.3208,  
0.1575

■ 86.1991, 0.3138,  
0.3068

■ 28.5324, 0.3209,  
0.1544

100.0000, 0.3127,  
0.3290

■ 28.4779, 0.3210,  
0.1542

# Harmonies

## Analogous

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



44.4453, 0.2235, 0.1811



44.4453, 0.3183, 0.2103



44.4453, 0.4300, 0.2620

# Triad

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



44.4453, 0.3183, 0.2103



44.4453, 0.4631, 0.4723



44.4453, 0.1491, 0.2825

# Complementary

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



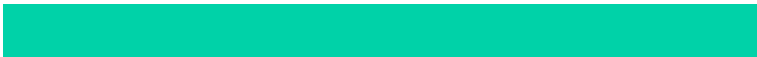
44.4453, 0.3183, 0.2103



77.8791, 0.3054, 0.4854

# 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.



44.4453, 0.1954, 0.4011



44.4453, 0.3183, 0.2103



44.4453, 0.3759, 0.5263

# Square

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



44.4453, 0.3183, 0.2103



44.4453, 0.5165, 0.3986



44.4453, 0.2784, 0.5082



44.4453, 0.1405, 0.2089



# Rectangle

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



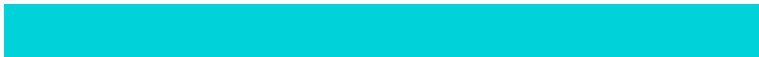
44.4453, 0.3183, 0.2103



44.4453, 0.4892, 0.3045



44.4453, 0.2784, 0.5082



44.4453, 0.1600, 0.3182

# Sweetspot

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



44.4471, 0.3183, 0.2103



77.9766, 0.3145, 0.2918



27.9348, 0.2185, 0.1732



16.1075, 0.3147, 0.2865



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.



44.4471, 0.3183, 0.2103



38.4905, 0.3192, 0.1911



41.0564, 0.3797, 0.2652



18.3004, 0.3138, 0.3056



14.8803, 0.3210, 0.1542



1.4489, 0.3209, 0.1542



# Inverse Universe

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



44.4471, 0.3183, 0.2103



38.4905, 0.3192, 0.1911



80.0949, 0.2763, 0.4058



18.3004, 0.3138, 0.3056



14.8803, 0.3210, 0.1542



1.4489, 0.3209, 0.1542



# Previews

## White Background



This preview shows how the Yxy color 44.4453, 0.3183, 0.2103 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

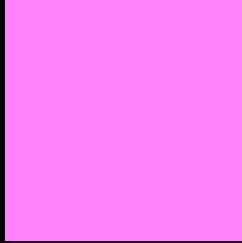
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.4453, 0.3183, 0.2103 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

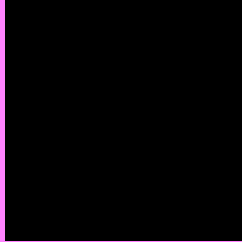
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.4453, 0.3183, 0.2103**

## Background



This preview shows how black text looks on a background with the Yxy color 44.4453, 0.3183, 0.2103.



This preview shows how white text looks on a background with the Yxy color 44.4453, 0.3183, 0.2103.

# 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

44.4453, 0.3183, 0.2103

### Protanopia

44.8500, 0.2413, 0.2336

### Deuteranopia

44.8340, 0.2487, 0.2422



## Tritanopia

44.3339, 0.3945, 0.3172

# Trichromacy



## Original Color

44.4453, 0.3183, 0.2103



## Protanomaly

42.8351, 0.2645, 0.2203



## Deuteranomaly

42.9049, 0.2700, 0.2254



## Tritanomaly

43.8885, 0.3662, 0.2741

# Monochromacy



## Original Color

44.4453, 0.3183, 0.2103



## Achromatopsia

46.7784, 0.3127, 0.3290



## Achromatomaly

44.3531, 0.3153, 0.2747

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.4453, 0.3183, 0.2103 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(255, 130, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 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(255, 130, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 255) }
```

## Border

The CSS property to change the border of an element to Yxy 44.4453, 0.3183, 0.2103 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(255, 130, 255) }
```

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

```
.border{ border-color:rgb(255, 130, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
255) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.4453, 0.3183, 0.2103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 255) }
```

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

```
.background{ background-color: rgb(255,  
130, 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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