

Converting Colors

$Y_{xy}(57.5679, 0.3859, 0.2471)$

Have a look what the booklet for
Yxy(57.5679, 0.3859, 0.2471)
contains.

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Color

Yxy(44.9244, 0.3348, 0.2307)

Conversions

Conversions Part 1

Format	Color
Hex	FF88EC
RGB	255, 136, 236
RGB Percent	100%, 53%, 93%
CMY	0.0000, 0.4667, 0.0744
CMYK	0.00, 0.47, 0.07, 0.00
HSL	310°, 100%, 77%
HSV	310°, 47%, 100%
XYZ	65.1959, 44.9244, 84.6105
YIQ	182.9810, 38.8240, 56.3280

Conversions

Conversions Part 2

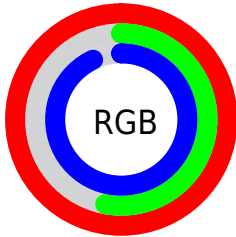
Format	Color
R _Y B	255, 136, 236
Decimal	16746732
CIE Lab	72.84, 58.02, -30.70
CIE LCh	73, 65.638, 332.117
Yxy	44.9244, 0.3348, 0.2307
Android (android.graphics.Color)	4294936812 (0xFFFF88EC)
YUV	182.9810, 26.1384, 63.1607
Hunter-Lab	67.0257, 56.3321, -27.9274

Details

The Yxy color **44.9244, 0.3348, 0.2307** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.1176, 0.2970, 0.4535**, and the grayscale version is **47.1751, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.1793, 0.3156, 0.2673**, and **20.9159, 0.3385, 0.2086** is the 20% darker color. If you saturate the color by 10%, you get **38.3396, 0.3408, 0.2127**, and if you desaturate by 10%, it is **53.2145, 0.3291, 0.2509**.

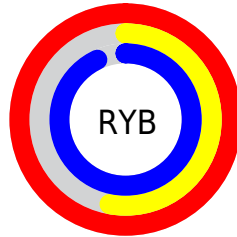
Distribution



Red (100%)

Green (53%)

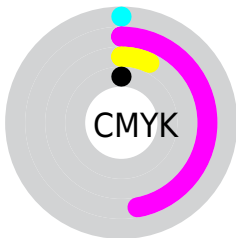
Blue (93%)



Red (100%)

Yellow (53%)

Blue (93%)

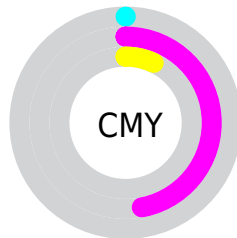


Cyan (0%)

Magenta (47%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9244, 0.3348, 0.2307 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 44.9244, 0.3348, 0.2307 by changing the saturation by 10% instead.


 44.9244, 0.3348,
0.2307


 44.9244, 0.3348,
0.2307


366.4673, 0.3256,
0.2756

 31.3979, 0.3366,
0.2207


 82.6070, 0.3318,
0.2461

 20.9020, 0.3387,
0.2085


 107.5318, 0.3306,
0.2521

 13.0524, 0.3411,
0.1934


 137.0248, 0.3295,
0.2573

 7.4646, 0.3437,
0.1742

171.4705, 0.3286,
0.2619

 3.7543, 0.3465,
0.1493

211.2532, 0.3277,
0.2659

 1.5371, 0.3485,
0.1162

256.7573, 0.3269,

 0.3146, 0.3539,

0.2695

0.0542

308.3672, 0.3262,
0.2727

■ 0.0000, 0.3344,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9244, 0.3348,
0.2307

■ 44.9244, 0.3348,
0.2307

■ 38.3396, 0.3408,
0.2127

■ 53.2145, 0.3291,
0.2509

■ 33.3494, 0.3470,
0.1979

■ 63.3333, 0.3239,
0.2722

■ 29.8100, 0.3533,
0.1872

■ 75.3783, 0.3192,
0.2939

■ 27.5577, 0.3593,
0.1810

■ 89.4439, 0.3151,
0.3152

■ 26.3864, 0.3650,
0.1794

100.0000, 0.3127,
0.3290

■ 26.1328, 0.3668,
0.1794

Harmonies

Analogous

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



44.9244, 0.2474, 0.2003



44.9244, 0.3348, 0.2307



44.9244, 0.4284, 0.2805

Triad

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



44.9244, 0.3348, 0.2307



44.9244, 0.4366, 0.4682



44.9244, 0.1645, 0.2771

Complementary

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



44.9244, 0.3348, 0.2307



79.1176, 0.2970, 0.4535

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.



44.9244, 0.2017, 0.3728



44.9244, 0.3348, 0.2307



44.9244, 0.3577, 0.5012

Square

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



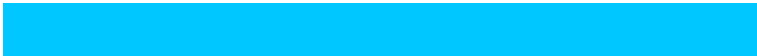
44.9244, 0.3348, 0.2307



44.9244, 0.4871, 0.4067



44.9244, 0.2717, 0.4679



44.9244, 0.1610, 0.2177

Rectangle

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



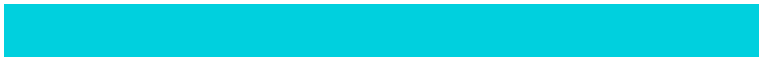
44.9244, 0.3348, 0.2307



44.9244, 0.4738, 0.3204



44.9244, 0.2717, 0.4679



44.9244, 0.1730, 0.3057

Sweetspot

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



44.9203, 0.3348, 0.2307



78.9385, 0.3181, 0.2997



31.6763, 0.2356, 0.1859



16.2789, 0.3190, 0.2950



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.



44.9203, 0.3348, 0.2307



38.7320, 0.3404, 0.2138



42.0625, 0.3946, 0.2860



18.2477, 0.3163, 0.3093



13.6736, 0.3659, 0.1790



1.3441, 0.3599, 0.1757

Inverse Universe

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



44.9203, 0.3348, 0.2307



38.7320, 0.3404, 0.2138



81.5741, 0.2691, 0.3787



18.2477, 0.3163, 0.3093



13.6736, 0.3659, 0.1790



1.3441, 0.3599, 0.1757

Previews

White Background



This preview shows how the Yxy color 44.9244, 0.3348, 0.2307 looks on a white background.

Color Contrast Check

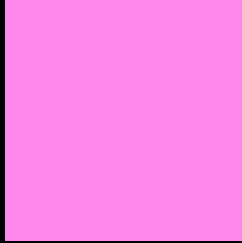
Large Text (above 18pt) WCAG AA × Fail

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 44.9244, 0.3348, 0.2307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

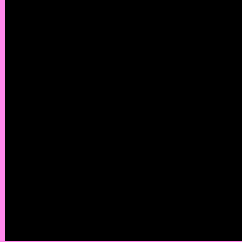
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9244, 0.3348, 0.2307

Background



This preview shows how black text looks on a background with the Yxy color 44.9244, 0.3348, 0.2307.

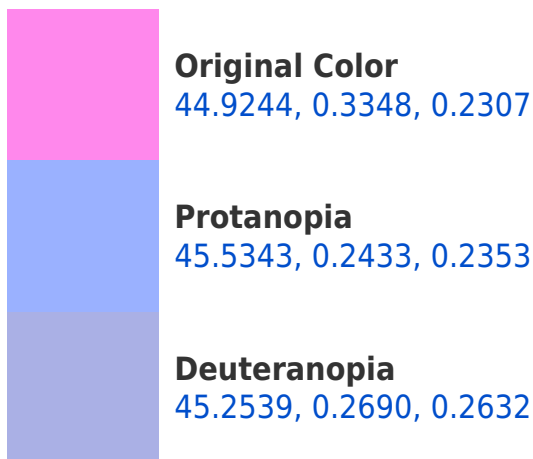


This preview shows how white text looks on a background with the Yxy color 44.9244, 0.3348, 0.2307.

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





Tritanopia

44.8750, 0.3974, 0.3173

Trichromacy



Original Color

44.9244, 0.3348, 0.2307



Protanomaly

43.6943, 0.2709, 0.2305



Deuteranomaly

43.7334, 0.2900, 0.2468



Tritanomaly

44.5995, 0.3738, 0.2826

Monochromacy



Original Color

44.9244, 0.3348, 0.2307



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

45.0920, 0.3210, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9244, 0.3348, 0.2307 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, 136, 236)` looks like.

```
.text, #text, p{  
    color:rgb(255, 136, 236)  
}
```

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, 136, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 136, 236) }
```

Border

The CSS property to change the border of an element to Yxy 44.9244, 0.3348, 0.2307 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, 136, 236) }
```

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

```
.border{ border-color:rgb(255, 136, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 136, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 136, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 136, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 136,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9244, 0.3348, 0.2307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 136, 236) }
```

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

```
.background{ background-color: rgb(255,  
136, 236) }
```

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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