

Converting Colors

$Y_{xy}(73.0526, 0.4354, 0.2651)$

Have a look what the booklet for
Yxy(73.0526, 0.4354, 0.2651)
contains.

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Color

Yxy(44.3011, 0.3405, 0.2350)

Conversions

Conversions Part 1

Format	Color
Hex	FF87E6
RGB	255, 135, 230
RGB Percent	100%, 53%, 90%
CMY	0.0000, 0.4706, 0.0981
CMYK	0.00, 0.47, 0.10, 0.00
HSL	313°, 100%, 76%
HSV	313°, 47%, 100%
XYZ	64.1895, 44.3011, 80.0248
YIQ	181.7100, 41.0250, 54.9850

Conversions

Conversions Part 2

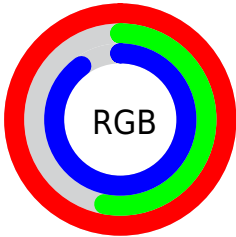
Format	Color
R _Y B	255, 135, 230
Decimal	16746470
CIE Lab	72.43, 57.52, -28.02
CIE LCh	72, 63.981, 334.022
Yxy	44.3011, 0.3405, 0.2350
Android (android.graphics.Color)	4294936550 (0xFFFF87E6)
YUV	181.7100, 23.8070, 64.2753
Hunter-Lab	66.5591, 55.6668, -24.6937

Details

The Yxy color **44.3011, 0.3405, 0.2350** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.2091, 0.2942, 0.4472**, and the grayscale version is **46.4633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.5291, 0.3464, 0.2137** is the 20% darker color. If you saturate the color by 10%, you get **37.7228, 0.3483, 0.2179**, and if you desaturate by 10%, it is **52.5910, 0.3332, 0.2542**.

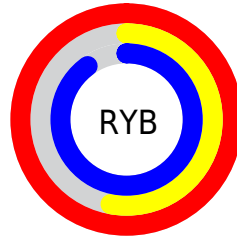
Distribution



Red (100%)

Green (53%)

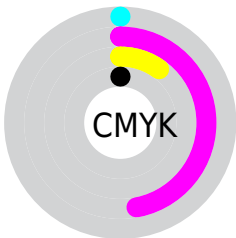
Blue (90%)



Red (100%)

Yellow (53%)

Blue (90%)

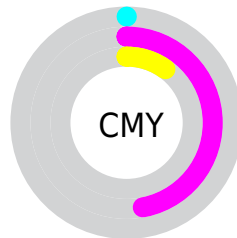


Cyan (0%)

Magenta (47%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.3011, 0.3405, 0.2350 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 44.3011, 0.3405, 0.2350 by changing the saturation by 10% instead.


 44.3011, 0.3405,
0.2350


 44.3011, 0.3405,
0.2350

363.9356, 0.3283,
0.2782


 30.9073, 0.3431,
0.2253


 81.6706, 0.3364,
0.2499

 20.5283, 0.3462,
0.2134


 106.4151, 0.3348,
0.2557

 12.7796, 0.3499,
0.1986


 135.7120, 0.3334,
0.2607

 7.2770, 0.3543,
0.1796

169.9456, 0.3321,
0.2651

 3.6359, 0.3597,
0.1548

209.5004, 0.3310,
0.2690

 1.4721, 0.3658,
0.1213

254.7607, 0.3300,

 0.2689, 0.3805,

0.2724

0.0524

306.1110, 0.3291,
0.2755

■ 0.0000, 0.3667,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.3011, 0.3405,
0.2350

■ 44.3011, 0.3405,
0.2350

■ 37.7228, 0.3483,
0.2179

■ 52.5910, 0.3332,
0.2542

■ 32.7342, 0.3566,
0.2039

■ 62.7058, 0.3267,
0.2745

■ 29.1943, 0.3649,
0.1940

■ 74.7469, 0.3209,
0.2951

■ 26.9381, 0.3731,
0.1887

■ 88.8087, 0.3158,
0.3152

■ 25.7548, 0.3810,
0.1881

100.0000, 0.3127,
0.3290

■ 25.5176, 0.3832,
0.1885

Harmonies

Analogous

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



44.3011, 0.2534, 0.2037



44.3011, 0.3405, 0.2350



44.3011, 0.4311, 0.2851

Triad

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



44.3011, 0.3405, 0.2350



44.3011, 0.4304, 0.4692



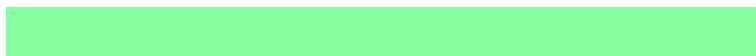
44.3011, 0.1658, 0.2735

Complementary

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



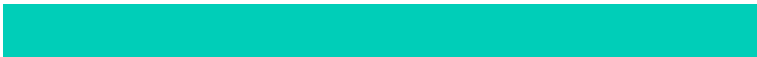
44.3011, 0.3405, 0.2350



79.2091, 0.2942, 0.4472

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.



44.3011, 0.2005, 0.3655



44.3011, 0.3405, 0.2350



44.3011, 0.3519, 0.4977

Square

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



44.3011, 0.3405, 0.2350



44.3011, 0.4822, 0.4100



44.3011, 0.2677, 0.4600



44.3011, 0.1643, 0.2174

Rectangle

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



44.3011, 0.3405, 0.2350



44.3011, 0.4736, 0.3248



44.3011, 0.2677, 0.4600



44.3011, 0.1735, 0.3008

Sweetspot

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



44.3005, 0.3405, 0.2350



78.8298, 0.3193, 0.3013



31.9186, 0.2391, 0.1861



16.2522, 0.3204, 0.2969



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.



44.3005, 0.3405, 0.2350



38.3420, 0.3475, 0.2196



41.5280, 0.4023, 0.2918



18.2317, 0.3170, 0.3104



13.3560, 0.3820, 0.1878



1.3159, 0.3737, 0.1832

Inverse Universe

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



44.3005, 0.3405, 0.2350



38.3420, 0.3475, 0.2196



81.7853, 0.2660, 0.3717



18.2317, 0.3170, 0.3104



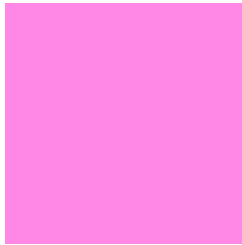
13.3560, 0.3820, 0.1878



1.3159, 0.3737, 0.1832

Previews

White Background



This preview shows how the Yxy color 44.3011, 0.3405, 0.2350 looks on a white background.

Color Contrast Check

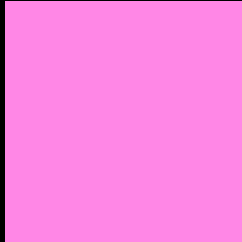
Large Text (above 18pt) WCAG AA × Fail

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 44.3011, 0.3405, 0.2350 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 44.3011, 0.3405, 0.2350

Background



This preview shows how black text looks on a background with the Yxy color 44.3011, 0.3405, 0.2350.

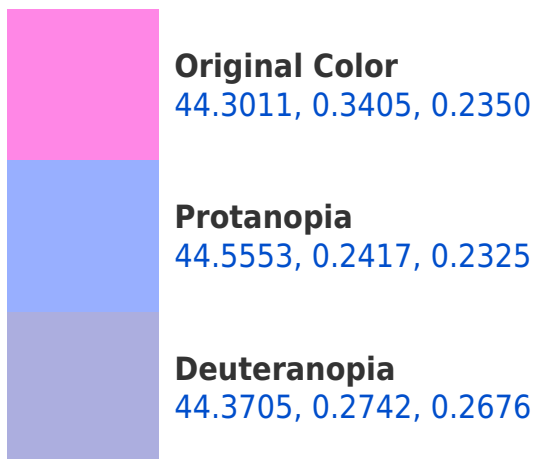


This preview shows how white text looks on a background with the Yxy color 44.3011, 0.3405, 0.2350.

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

44.1601, 0.4002, 0.3173

Trichromacy



Original Color

44.3011, 0.3405, 0.2350



Protanomaly

42.6142, 0.2705, 0.2296



Deuteranomaly

43.1892, 0.2954, 0.2519



Tritanomaly

44.1200, 0.3783, 0.2857

Monochromacy



Original Color

44.3011, 0.3405, 0.2350



Achromatopsia

46.7784, 0.3127, 0.3290



Achromatomaly

44.5891, 0.3237, 0.2883

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.3011, 0.3405, 0.2350 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, 135, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 230)  
}
```

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, 135, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 230) }
```

Border

The CSS property to change the border of an element to Yxy 44.3011, 0.3405, 0.2350 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, 135, 230) }
```

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

```
.border{ border-color:rgb(255, 135, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 44.3011, 0.3405, 0.2350 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 230) }
```

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

```
.background{ background-color: rgb(255,  
135, 230) }
```

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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