

Converting Colors

$Y_{xy}(44.1212, 0.3443, 0.2386)$

Have a look what the booklet for
Yxy(44.1212, 0.3443, 0.2386)
contains.

| | |
|--|----|
| Yxy(44.0789, 0.3443, 0.2385) | 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(44.0789, 0.3443, 0.2385)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF87E2 |
| RGB | 255, 135, 226 |
| RGB Percent | 100%, 53%, 89% |
| CMY | 0.0000, 0.4706, 0.1137 |
| CMYK | 0.00, 0.47, 0.11, 0.00 |
| HSL | 315°, 100%, 76% |
| HSV | 315°, 47%, 100% |
| XYZ | 63.6326, 44.0789, 77.1057 |
| YIQ | 181.2540, 42.3090, 53.7410 |

Conversions

Conversions Part 2

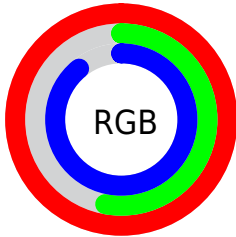
| Format | Color |
|-------------------------------------|--|
| RYB | 255, 135, 226 |
| Decimal | 16746466 |
| CIELab | 72.28, 56.88, -26.06 |
| CIELCh | 72, 62.567, 335.387 |
| Yxy | 44.0789, 0.3443, 0.2385 |
| Android (android.graphics.Color) | 4294936546 (0xFFFF87E2) |
| YUV | 181.2540, 22.0598, 64.6752 |
| Hunter-Lab | 66.3919, 54.8953, -22.3834 |

Details

The Yxy color **44.0789, 0.3443, 0.2385** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **79.3516, 0.2923, 0.4421**, and the grayscale version is **46.2146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7416, 0.3157, 0.2663**, and **20.3754, 0.3518, 0.2179** is the 20% darker color. If you saturate the color by 10%, you get **37.4638, 0.3534, 0.2219**, and if you desaturate by 10%, it is **52.4120, 0.3359, 0.2571**.

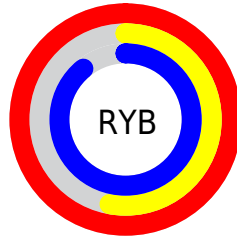
Distribution



Red (100%)

Green (53%)

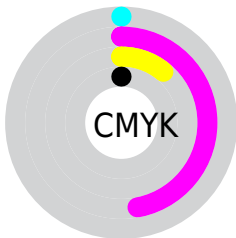
Blue (89%)



Red (100%)

Yellow (53%)

Blue (89%)

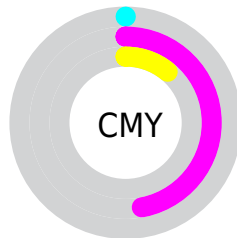


Cyan (0%)

Magenta (47%)

Yellow (11%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.0789, 0.3443, 0.2385 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 44.0789, 0.3443, 0.2385 by changing the saturation by 10% instead.


 44.0789, 0.3443,
0.2385


 44.0789, 0.3443,
0.2385


363.0301, 0.3301,
0.2803


 30.7325, 0.3474,
0.2291


 81.3365, 0.3395,
0.2529

 20.3953, 0.3512,
0.2175


 106.0164, 0.3376,
0.2586

 12.6827, 0.3558,
0.2029


 135.2431, 0.3359,
0.2634

 7.2104, 0.3616,
0.1843

169.4008, 0.3344,
0.2677

 3.5940, 0.3689,
0.1596

208.8740, 0.3332,
0.2714

 1.4492, 0.3780,
0.1261

254.0470, 0.3320,

 0.2525, 0.3999,

0.2747

0.0532

305.3043, 0.3310,
0.2777

■ 0.0000, 0.3927,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.0789, 0.3443,
0.2385

■ 44.0789, 0.3443,
0.2385

■ 37.4638, 0.3534,
0.2219

■ 52.4120, 0.3359,
0.2571

■ 32.4397, 0.3631,
0.2084

■ 62.5715, 0.3284,
0.2767

■ 28.8673, 0.3730,
0.1990

■ 74.6605, 0.3219,
0.2965

■ 26.5815, 0.3828,
0.1943

■ 88.7735, 0.3162,
0.3158

■ 25.3715, 0.3923,
0.1944

100.0000, 0.3127,
0.3290

■ 25.1270, 0.3950,
0.1950

Harmonies

Analogous

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



44.0789, 0.2580, 0.2066



44.0789, 0.3443, 0.2385



44.0789, 0.4322, 0.2886

Triad

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



44.0789, 0.3443, 0.2385



44.0789, 0.4256, 0.4691



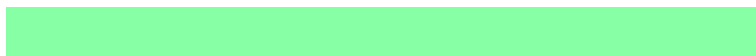
44.0789, 0.1676, 0.2715

Complementary

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



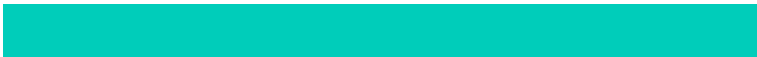
44.0789, 0.3443, 0.2385



79.3516, 0.2923, 0.4421

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.



44.0789, 0.2003, 0.3603



44.0789, 0.3443, 0.2385



44.0789, 0.3478, 0.4941

Square

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



44.0789, 0.3443, 0.2385



44.0789, 0.4777, 0.4121



44.0789, 0.2652, 0.4536



44.0789, 0.1673, 0.2178

Rectangle

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



44.0789, 0.3443, 0.2385



44.0789, 0.4724, 0.3280



44.0789, 0.2652, 0.4536



44.0789, 0.1747, 0.2977

Sweetspot

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



44.0800, 0.3443, 0.2385



78.7564, 0.3201, 0.3024



32.3358, 0.2420, 0.1871



16.2342, 0.3213, 0.2982



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.



44.0800, 0.3443, 0.2385



38.0858, 0.3524, 0.2236



41.3791, 0.4068, 0.2960



18.2209, 0.3175, 0.3112



13.1541, 0.3935, 0.1942



1.2979, 0.3834, 0.1886

Inverse Universe

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



44.0800, 0.3443, 0.2385



38.0858, 0.3524, 0.2236



81.9990, 0.2642, 0.3667



18.2209, 0.3175, 0.3112



13.1541, 0.3935, 0.1942



1.2979, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 44.0789, 0.3443, 0.2385 looks on a white background.

Color Contrast Check

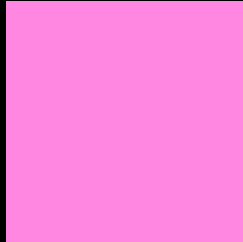
Large Text (above 18pt) WCAG AA × Fail

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 44.0789, 0.3443, 0.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

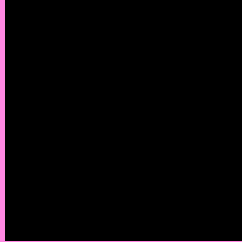
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.0789, 0.3443, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 44.0789, 0.3443, 0.2385.

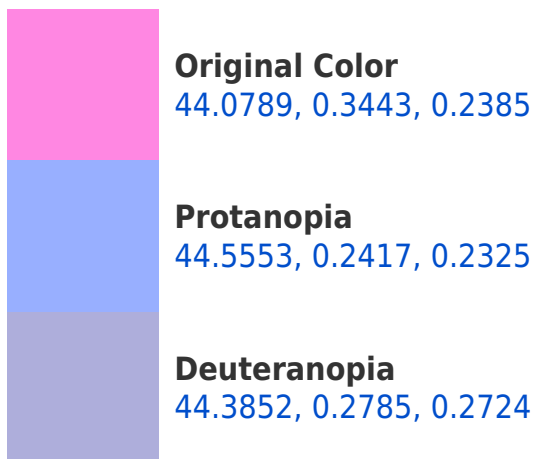


This preview shows how white text looks on a background with the Yxy color 44.0789, 0.3443, 0.2385.

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

43.9894, 0.4026, 0.3174

Trichromacy



Original Color

44.0789, 0.3443, 0.2385



Protanomaly

42.4921, 0.2718, 0.2315



Deuteranomaly

43.1120, 0.2994, 0.2562



Tritanomaly

43.9164, 0.3816, 0.2869

Monochromacy



Original Color

44.0789, 0.3443, 0.2385



Achromatopsia

46.2077, 0.3127, 0.3290



Achromatomaly

43.9920, 0.3246, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.0789, 0.3443, 0.2385 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 226) }
```

Border

The CSS property to change the border of an element to Yxy 44.0789, 0.3443, 0.2385 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, 226) }
```

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

```
.border{ border-color:rgb(255, 135, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 226);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 44.0789, 0.3443, 0.2385 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, 226) }
```

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

```
.background{ background-color: rgb(255,  
135, 226) }
```

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