

Converting Colors

Yxy(51.3389, 0.3336, 0.2701)

Have a look what the booklet for
Yxy(51.3389, 0.3336, 0.2701)
contains.

Yxy(51.4236, 0.3329, 0.2699)	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(51.4236, 0.3329, 0.2699)

Conversions

Conversions Part 1

Format	Color
Hex	F2A6DE
RGB	242, 166, 222
RGB Percent	95%, 65%, 87%
CMY	0.0511, 0.3489, 0.1295
CMYK	0.00, 0.31, 0.08, 0.05
HSL	316°, 74%, 80%
HSV	316°, 31%, 95%
XYZ	63.4269, 51.4236, 75.6779
YIQ	195.1080, 27.3200, 33.5280

Conversions

Conversions Part 2

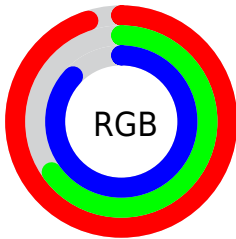
Format	Color
R _Y B	242, 166, 222
Decimal	15902430
CIE Lab	76.93, 36.35, -16.93
CIE LCh	77, 40.100, 335.030
Yxy	51.4236, 0.3329, 0.2699
Android (android.graphics.Color)	4294092510 (0xFFF2A6DE)
YUV	195.1080, 13.2578, 41.1243
Hunter-Lab	71.7103, 32.3882, -12.3732

Details

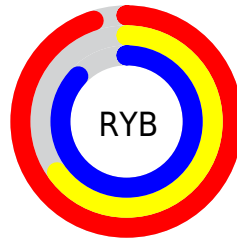
The Yxy color **51.4236, 0.3329, 0.2699** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.1364, 0.2973, 0.3966**, and the grayscale version is **54.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **24.9146, 0.3375, 0.2557** is the 20% darker color. If you saturate the color by 10%, you get **43.1044, 0.3414, 0.2511**, and if you desaturate by 10%, it is **61.4152, 0.3254, 0.2892**.

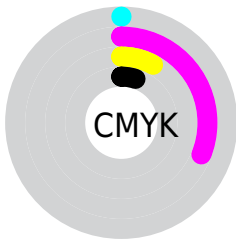
Distribution



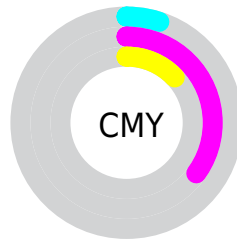
- Red (95%)
- Green (65%)
- Blue (87%)



- Red (95%)
- Yellow (65%)
- Blue (87%)



- Cyan (0%)
- Magenta (31%)
- Yellow (8%)
- Black (5%)





- Cyan (5%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.4236, 0.3329, 0.2699 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 51.4236, 0.3329, 0.2699 by changing the saturation by 10% instead.


 51.4236, 0.3329,
0.2699

 51.4236, 0.3329,
0.2699


392.2073, 0.3237,
0.2975

 36.5458, 0.3350,
0.2636


 92.2806, 0.3297,
0.2795

 24.8561, 0.3375,
0.2557


 119.0287, 0.3285,
0.2832

 15.9698, 0.3407,
0.2458


150.5023, 0.3274,
0.2864

 9.5028, 0.3448,
0.2328

187.0858, 0.3265,
0.2892

 5.0706, 0.3503,
0.2152

229.1637, 0.3256,
0.2916

 2.2887, 0.3577,
0.1899

277.1203, 0.3249,

 0.7677, 0.3687,

0.2938

0.1506

331.3401, 0.3242,
0.2957

0.0000, 0.4097,
0.0000

0.0000, 0.0000,
0.0000

51.4236, 0.3329,
0.2699

51.4236, 0.3329,
0.2699

43.1044, 0.3414,
0.2511

61.4152, 0.3254,
0.2892

36.3575, 0.3509,
0.2337

73.1580, 0.3189,
0.3082

31.0828, 0.3611,
0.2187

86.7345, 0.3134,
0.3265

27.1659, 0.3719,
0.2071

97.1334, 0.3090,
0.3364

■ 24.4752, 0.3828,
0.2000

■ 97.5341, 0.3054,
0.3301

■ 22.8531, 0.3936,
0.1977

■ 97.6103, 0.3047,
0.3290

■ 22.0969, 0.4026,
0.1991

Harmonies

Analogous

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



51.4236, 0.2790, 0.2482



51.4236, 0.3329, 0.2699



51.4236, 0.3851, 0.3046

Triad

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



51.4236, 0.3329, 0.2699



51.4236, 0.3879, 0.4191



51.4236, 0.2186, 0.2973

Complementary

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



51.4236, 0.3329, 0.2699



75.1364, 0.2973, 0.3966

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.



51.4236, 0.2429, 0.3502



51.4236, 0.3329, 0.2699



51.4236, 0.3397, 0.4268

Square

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



51.4236, 0.3329, 0.2699



51.4236, 0.4172, 0.3877



51.4236, 0.2865, 0.4011



51.4236, 0.2171, 0.2600

Rectangle

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



51.4236, 0.3329, 0.2699



51.4236, 0.4095, 0.3321



51.4236, 0.2865, 0.4011



51.4236, 0.2242, 0.3138

Sweetspot

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



51.4259, 0.3329, 0.2699



85.8386, 0.3176, 0.3126



44.0066, 0.2707, 0.2398



17.9175, 0.3184, 0.3099



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.



51.4259, 0.3329, 0.2699



51.4333, 0.3385, 0.2572



49.6561, 0.3664, 0.3083



15.9563, 0.3178, 0.3118



11.8987, 0.4009, 0.1982



1.0061, 0.3880, 0.1911

Inverse Universe

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



51.4259, 0.3329, 0.2699



51.4333, 0.3385, 0.2572



76.9175, 0.2774, 0.3510



15.9563, 0.3178, 0.3118



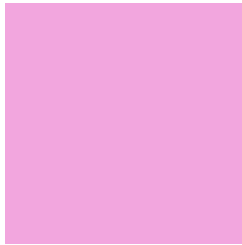
11.8987, 0.4009, 0.1982



1.0061, 0.3880, 0.1911

Previews

White Background



This preview shows how the Yxy color 51.4236, 0.3329, 0.2699 looks on a white background.

Color Contrast Check

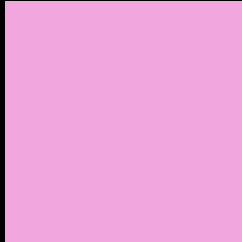
Large Text (above 18pt) WCAG AA × Fail

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 51.4236, 0.3329, 0.2699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

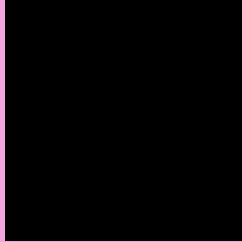
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.4236, 0.3329, 0.2699

Background



This preview shows how black text looks on a background with the Yxy color 51.4236, 0.3329, 0.2699.



This preview shows how white text looks on a background with the Yxy color 51.4236, 0.3329, 0.2699.

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

51.4236, 0.3329, 0.2699

Protanopia

51.6646, 0.2717, 0.2707

Deuteranopia

51.7819, 0.2961, 0.2908



Tritanopia

51.4368, 0.3593, 0.3147

Trichromacy



Original Color

51.4236, 0.3329, 0.2699



Protanomaly

51.0253, 0.2914, 0.2692



Deuteranomaly

51.3517, 0.3091, 0.2831



Tritanomaly

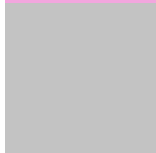
51.2237, 0.3500, 0.2974

Monochromacy



Original Color

51.4236, 0.3329, 0.2699



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

52.6858, 0.3197, 0.3045

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.4236, 0.3329, 0.2699 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(242, 166, 222)` looks like.

```
.text, #text, p{  
    color:rgb(242, 166, 222)  
}
```

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(242, 166, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 166, 222) }
```

Border

The CSS property to change the border of an element to Yxy 51.4236, 0.3329, 0.2699 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(242, 166, 222) }
```

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

```
.border{ border-color:rgb(242, 166, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 166, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(242, 166, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(242, 166, 222); box-shadow:4px 4px 4px 4px rgb(242, 166, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 51.4236, 0.3329, 0.2699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 166, 222) }
```

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

```
.background{ background-color: rgb(242,  
166, 222) }
```

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