

Converting Colors

$Y_{xy}(44.9845, 0.3319, 0.2541)$

Have a look what the booklet for
Yxy(44.9845, 0.3319, 0.2541)
contains.

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Color

Yxy(44.9845, 0.3319, 0.2541)

Conversions

Conversions Part 1

Format	Color
Hex	ED96DC
RGB	237, 150, 220
RGB Percent	93%, 59%, 86%
CMY	0.0704, 0.4118, 0.1373
CMYK	0.00, 0.37, 0.07, 0.07
HSL	312°, 71%, 76%
HSV	312°, 37%, 93%
XYZ	58.7578, 44.9845, 73.2923
YIQ	183.9930, 29.3820, 40.2140

Conversions

Conversions Part 2

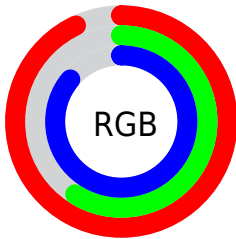
Format	Color
R_{YB}	237, 150, 220
Decimal	15570652
CIE _{Lab}	72.88, 42.83, -22.03
CIE _{LCh}	73, 48.163, 332.774
Yxy	44.9845, 0.3319, 0.2541
Android (android.graphics.Color)	4293760732 (0xFFED96DC)
YUV	183.9930, 17.7515, 46.4871
Hunter-Lab	67.0705, 39.0034, -17.8407

Details

The Yxy color **44.9845, 0.3319, 0.2541** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **69.8633, 0.2982, 0.4180**, and the grayscale version is **47.8177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1426, 0.3150, 0.2801**, and **20.9693, 0.3361, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **37.9298, 0.3387, 0.2347**, and if you desaturate by 10%, it is **53.5800, 0.3258, 0.2746**.

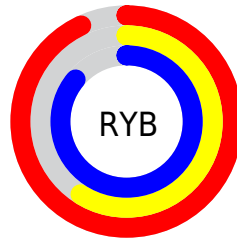
Distribution



Red (93%)

Green (59%)

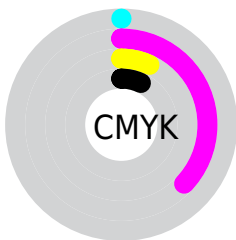
Blue (86%)



Red (93%)

Yellow (59%)

Blue (86%)

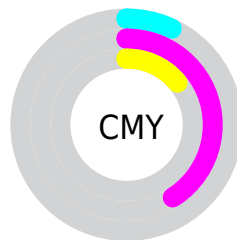


Cyan (0%)

Magenta (37%)

Yellow (7%)

Black (7%)



Cyan (7%)


Magenta (41%)

Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9845, 0.3319, 0.2541 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 44.9845, 0.3319, 0.2541 by changing the saturation by 10% instead.


 44.9845, 0.3319,
0.2541

 44.9845, 0.3319,
0.2541


366.7108, 0.3233,
0.2893

 31.4452, 0.3338,
0.2460


 82.6972, 0.3290,
0.2664

 20.9381, 0.3360,
0.2359


 107.6393, 0.3279,
0.2711

 13.0788, 0.3387,
0.2232


137.1512, 0.3269,
0.2752

 7.4828, 0.3420,
0.2066

171.6173, 0.3260,
0.2788

 3.7658, 0.3461,
0.1840

211.4219, 0.3252,
0.2819

 1.5435, 0.3509,
0.1521

256.9494, 0.3245,

 0.3190, 0.3652,

0.2846

0.0799

308.5842, 0.3239,
0.2871

0.0000, 0.3028,
0.0000

0.0000, 0.0000,
0.0000

44.9845, 0.3319,
0.2541

44.9845, 0.3319,
0.2541

37.9298, 0.3387,
0.2347

53.5800, 0.3258,
0.2746

32.3168, 0.3460,
0.2173

63.7954, 0.3203,
0.2954

28.0448, 0.3537,
0.2029

75.7113, 0.3155,
0.3158

24.9971, 0.3614,
0.1926

89.4017, 0.3114,
0.3353

■ 23.0372, 0.3690,
0.1869

■ 96.0138, 0.3084,
0.3407

■ 21.9919, 0.3763,
0.1857

■ 96.2980, 0.3058,
0.3361

■ 21.7563, 0.3786,
0.1860

■ 96.5894, 0.3032,
0.3315

■ 96.7508, 0.3018,
0.3290

Harmonies

Analogous

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



44.9845, 0.2657, 0.2295



44.9845, 0.3319, 0.2541



44.9845, 0.3992, 0.2945

Triad

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



44.9845, 0.3319, 0.2541



44.9845, 0.4084, 0.4377



44.9845, 0.1985, 0.2920

Complementary

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



44.9845, 0.3319, 0.2541



69.8633, 0.2982, 0.4180

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.



44.9845, 0.2290, 0.3604



44.9845, 0.3319, 0.2541



44.9845, 0.3492, 0.4539

Square

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



44.9845, 0.3319, 0.2541



44.9845, 0.4441, 0.3950



44.9845, 0.2835, 0.4256



44.9845, 0.1952, 0.2453

Rectangle

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



44.9845, 0.3319, 0.2541



44.9845, 0.4318, 0.3269



44.9845, 0.2835, 0.4256



44.9845, 0.2057, 0.3132

Sweetspot

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



44.9865, 0.3319, 0.2541



83.0422, 0.3175, 0.3070



36.0264, 0.2574, 0.2213



17.3647, 0.3182, 0.3043



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.



44.9865, 0.3319, 0.2541



46.7301, 0.3369, 0.2395



43.0159, 0.3733, 0.2983



15.2603, 0.3168, 0.3103



11.8929, 0.3775, 0.1853



0.9468, 0.3682, 0.1802

Inverse Universe

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



44.9865, 0.3319, 0.2541



46.7301, 0.3369, 0.2395



71.6991, 0.2753, 0.3626



15.2603, 0.3168, 0.3103



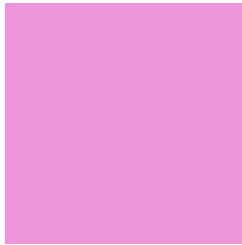
11.8929, 0.3775, 0.1853



0.9468, 0.3682, 0.1802

Previews

White Background



This preview shows how the Yxy color 44.9845, 0.3319, 0.2541 looks on a white background.

Color Contrast Check

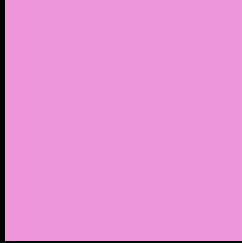
Large Text (above 18pt) WCAG AA × Fail

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 44.9845, 0.3319, 0.2541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

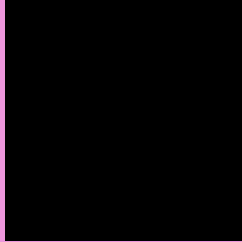
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9845, 0.3319, 0.2541

Background



This preview shows how black text looks on a background with the Yxy color 44.9845, 0.3319, 0.2541.



This preview shows how white text looks on a background with the Yxy color 44.9845, 0.3319, 0.2541.

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

44.9845, 0.3319, 0.2541

Protanopia

45.3577, 0.2573, 0.2526

Deuteranopia

45.1499, 0.2853, 0.2789



Tritanopia

45.1091, 0.3704, 0.3154

Trichromacy



Original Color

44.9845, 0.3319, 0.2541



Protanomaly

44.2824, 0.2806, 0.2517



Deuteranomaly

44.5616, 0.3008, 0.2682



Tritanomaly

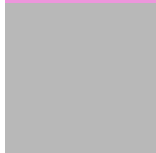
44.7747, 0.3565, 0.2920

Monochromacy



Original Color

44.9845, 0.3319, 0.2541



Achromatopsia

47.9320, 0.3127, 0.3290



Achromatomaly

46.2328, 0.3194, 0.2986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9845, 0.3319, 0.2541 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(237, 150, 220)` looks like.

```
.text, #text, p{  
    color:rgb(237, 150, 220)  
}
```

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(237, 150, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 150, 220) }
```

Border

The CSS property to change the border of an element to Yxy 44.9845, 0.3319, 0.2541 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(237, 150, 220) }
```

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

```
.border{ border-color:rgb(237, 150, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 150, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 150, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 150, 220);  
box-shadow:4px 4px 4px 4px rgb(237, 150,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9845, 0.3319, 0.2541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 150, 220) }
```

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

```
.background{ background-color: rgb(237,  
150, 220) }
```

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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