

Converting Colors

$Yxy(49.3067, 0.3345, 0.2747)$

Have a look what the booklet for
Yxy(49.3067, 0.3345, 0.2747)
contains.

Yxy(49.2388, 0.3348, 0.2748)	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(49.2388, 0.3348, 0.2748)

Conversions

Conversions Part 1

Format	Color
Hex	ECA4D6
RGB	236, 164, 214
RGB Percent	93%, 64%, 84%
CMY	0.0747, 0.3567, 0.1608
CMYK	0.00, 0.30, 0.09, 0.07
HSL	318°, 65%, 78%
HSV	318°, 30%, 93%
XYZ	59.9896, 49.2388, 69.9521
YIQ	191.2280, 26.8620, 30.8140

Conversions

Conversions Part 2

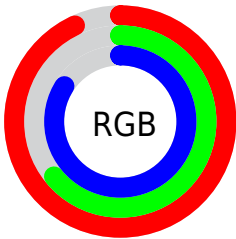
Format	Color
R _Y B	236, 164, 214
Decimal	15508694
CIE Lab	75.60, 34.07, -14.64
CIE LCh	76, 37.081, 336.739
Yxy	49.2388, 0.3348, 0.2748
Android (android.graphics.Color)	4293698774 (0xFFECA4D6)
YUV	191.2280, 11.2266, 39.2650
Hunter-Lab	70.1704, 29.8040, -9.9863

Details

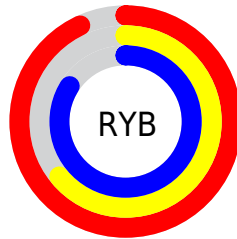
The Yxy color $49.2388, 0.3348, 0.2748$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $71.3993, 0.2961, 0.3903$, and the grayscale version is $52.1620, 0.3127, 0.3290$.

A 20% lighter version of the original color is $79.6664, 0.3143, 0.2950$, and $23.4558, 0.3404, 0.2615$ is the 20% darker color. If you saturate the color by 10%, you get $41.2028, 0.3445, 0.2569$, and if you desaturate by 10%, it is $58.8621, 0.3264, 0.2930$.

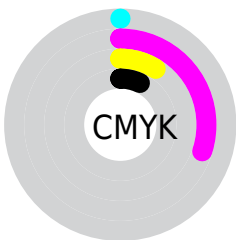
Distribution



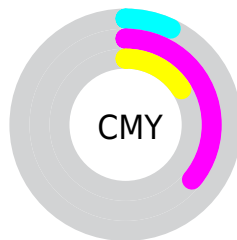
- Red (93%)
- Green (64%)
- Blue (84%)



- Red (93%)
- Yellow (64%)
- Blue (84%)



- Cyan (0%)
- Magenta (30%)
- Yellow (9%)
- Black (7%)





- Cyan (7%)
- Magenta (36%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.2388, 0.3348, 0.2748 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 49.2388, 0.3348, 0.2748 by changing the saturation by 10% instead.


 49.2388, 0.3348,
0.2748


 49.2388, 0.3348,
0.2748

383.6817, 0.3244,
0.3004

 34.8089, 0.3372,
0.2688


 89.0460, 0.3312,
0.2838

 23.5157, 0.3402,
0.2614


 115.1922, 0.3298,
0.2872

 14.9748, 0.3439,
0.2519


146.0126, 0.3286,
0.2902

 8.8017, 0.3489,
0.2394

181.8916, 0.3275,
0.2928

 4.6121, 0.3557,
0.2221

223.2136, 0.3266,
0.2950

 2.0215, 0.3655,
0.1968

270.3630, 0.3258,

 0.6199, 0.3828,

0.2970

0.1518

323.7242, 0.3251,
0.2988

0.0000, 0.4276,
0.0000

0.0000, 0.0000,
0.0000

49.2388, 0.3348,
0.2748

49.2388, 0.3348,
0.2748

41.2028, 0.3445,
0.2569

58.8621, 0.3264,
0.2930

34.6605, 0.3554,
0.2402

70.1463, 0.3191,
0.3110

29.5187, 0.3674,
0.2256

83.1685, 0.3130,
0.3282

25.6709, 0.3801,
0.2144

95.8024, 0.3079,
0.3411

■ 22.9952, 0.3933,
0.2075

■ 96.2458, 0.3039,
0.3339

■ 21.3464, 0.4063,
0.2055

■ 96.5632, 0.3011,
0.3290

■ 20.5001, 0.4184,
0.2079

Harmonies

Analogous

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



49.2388, 0.2838, 0.2534



49.2388, 0.3348, 0.2748



49.2388, 0.3829, 0.3083

Triad

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



49.2388, 0.3348, 0.2748



49.2388, 0.3814, 0.4149



49.2388, 0.2233, 0.2970

Complementary

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



49.2388, 0.3348, 0.2748



71.3993, 0.2961, 0.3903

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.



49.2388, 0.2452, 0.3460



49.2388, 0.3348, 0.2748



49.2388, 0.3355, 0.4199

Square

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



49.2388, 0.3348, 0.2748



49.2388, 0.4101, 0.3868



49.2388, 0.2857, 0.3940



49.2388, 0.2230, 0.2628

Rectangle

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



49.2388, 0.3348, 0.2748



49.2388, 0.4049, 0.3345



49.2388, 0.2857, 0.3940



49.2388, 0.2282, 0.3123

Sweetspot

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



49.2410, 0.3348, 0.2748



85.7782, 0.3182, 0.3135



43.0062, 0.2750, 0.2435



17.9026, 0.3191, 0.3109



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.



49.2410, 0.3348, 0.2748



52.1292, 0.3411, 0.2628



47.6177, 0.3677, 0.3130



15.2309, 0.3185, 0.3128



11.3303, 0.4164, 0.2068



0.9067, 0.4000, 0.1977

Inverse Universe

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



49.2410, 0.3348, 0.2748



52.1292, 0.3411, 0.2628



73.1050, 0.2764, 0.3459



15.2309, 0.3185, 0.3128



11.3303, 0.4164, 0.2068



0.9067, 0.4000, 0.1977

Previews

White Background



This preview shows how the Yxy color 49.2388, 0.3348, 0.2748 looks on a white background.

Color Contrast Check

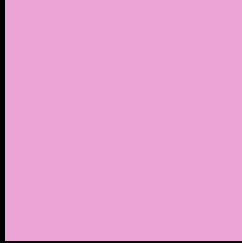
Large Text (above 18pt) WCAG AA × Fail

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 49.2388, 0.3348, 0.2748 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 49.2388, 0.3348, 0.2748

Background



This preview shows how black text looks on a background with the Yxy color 49.2388, 0.3348, 0.2748.



This preview shows how white text looks on a background with the Yxy color 49.2388, 0.3348, 0.2748.

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

49.2388, 0.3348, 0.2748

Protanopia

49.6465, 0.2757, 0.2766

Deuteranopia

49.4965, 0.2996, 0.2938



Tritanopia

49.3242, 0.3582, 0.3144

Trichromacy



Original Color

49.2388, 0.3348, 0.2748



Protanomaly

48.7778, 0.2947, 0.2747



Deuteranomaly

48.9687, 0.3122, 0.2857



Tritanomaly

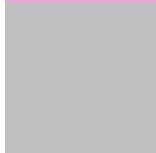
49.2239, 0.3495, 0.3000

Monochromacy



Original Color

49.2388, 0.3348, 0.2748



Achromatopsia

52.0996, 0.3127, 0.3290



Achromatomaly

50.4367, 0.3205, 0.3075

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.2388, 0.3348, 0.2748 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(236, 164, 214)` looks like.

```
.text, #text, p{  
    color:rgb(236, 164, 214)  
}
```

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(236, 164, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 164, 214) }
```

Border

The CSS property to change the border of an element to Yxy 49.2388, 0.3348, 0.2748 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(236, 164, 214) }
```

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

```
.border{ border-color:rgb(236, 164, 214) }
```

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

Here you see how a box with a 4 pixel rgb(236, 164, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 164, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 164, 214);  
box-shadow:4px 4px 4px 4px rgb(236, 164,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 49.2388, 0.3348, 0.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 164, 214) }
```

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

```
.background{ background-color: rgb(236,  
164, 214) }
```

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