

Converting Colors

$Y_{xy}(49.7550, 0.3431, 0.2859)$

Have a look what the booklet for
Yxy(49.7550, 0.3431, 0.2859)
contains.

Yxy(49.7332, 0.3426, 0.2854)	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(49.7332, 0.3426, 0.2854)

Conversions

Conversions Part 1

Format	Color
Hex	EDA6CE
RGB	237, 166, 206
RGB Percent	93%, 65%, 81%
CMY	0.0706, 0.3490, 0.1923
CMYK	0.00, 0.30, 0.13, 0.07
HSL	326°, 66%, 79%
HSV	326°, 30%, 93%
XYZ	59.7008, 49.7332, 64.8239
YIQ	191.7890, 29.4760, 27.4920

Conversions

Conversions Part 2

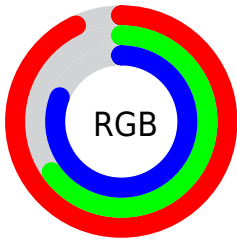
Format	Color
R_{YB}	237, 166, 206
Decimal	15574734
CIE _{Lab}	75.91, 32.06, -9.79
CIE _{LCh}	76, 33.523, 343.015
Yxy	49.7332, 0.3426, 0.2854
Android (android.graphics.Color)	4293764814 (0xFFEDA6CE)
YUV	191.7890, 7.0060, 39.6500
Hunter-Lab	70.5218, 27.6975, -5.1344

Details

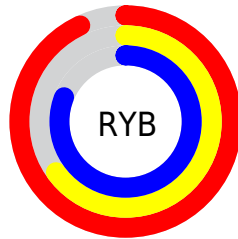
The Yxy color **49.7332, 0.3426, 0.2854** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **72.7151, 0.2910, 0.3773**, and the grayscale version is **52.5292, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7226, 0.3142, 0.2970**, and **23.7806, 0.3499, 0.2738** is the 20% darker color. If you saturate the color by 10%, you get **41.4107, 0.3564, 0.2705**, and if you desaturate by 10%, it is **59.6812, 0.3308, 0.3004**.

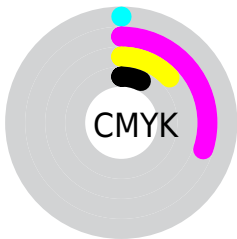
Distribution



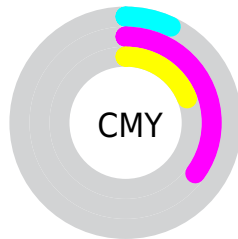
- Red (93%)
- Green (65%)
- Blue (81%)



- Red (93%)
- Yellow (65%)
- Blue (81%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (7%)




- Cyan (7%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.7332, 0.3426, 0.2854 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 49.7332, 0.3426, 0.2854 by changing the saturation by 10% instead.


 49.7332, 0.3426,
0.2854

 49.7332, 0.3426,
0.2854


385.6217, 0.3282,
0.3062

 35.2015, 0.3460,
0.2805


 89.7794, 0.3375,
0.2927

 23.8181, 0.3504,
0.2744


 116.0627, 0.3355,
0.2956

 15.1987, 0.3560,
0.2665


147.0320, 0.3339,
0.2980

 8.9590, 0.3635,
0.2559

183.0716, 0.3324,
0.3001

 4.7144, 0.3743,
0.2412

224.5660, 0.3312,
0.3019

 2.0807, 0.3906,
0.2192

271.8996, 0.3301,

 0.6537, 0.4208,

0.3035

0.1788

325.4566, 0.3291,
0.3049

0.0000, 0.6480,
0.0000

0.0000, 0.0000,
0.0000

49.7332, 0.3426,
0.2854

49.7332, 0.3426,
0.2854

41.4107, 0.3564,
0.2705

59.6812, 0.3308,
0.3004

34.6189, 0.3724,
0.2565

71.3292, 0.3209,
0.3151

29.2637, 0.3905,
0.2445

84.7552, 0.3127,
0.3291

25.2376, 0.4103,
0.2356

96.2672, 0.3060,
0.3365

■ 22.4179, 0.4311,
0.2311

■ 96.7462, 0.3017,
0.3290

■ 20.6586, 0.4520,
0.2319

■ 19.7138, 0.4722,
0.2375

■ 19.7105, 0.4723,
0.2376

Harmonies

Analogous

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



49.7332, 0.2959, 0.2631



49.7332, 0.3426, 0.2854



49.7332, 0.3832, 0.3179

Triad

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



49.7332, 0.3426, 0.2854



49.7332, 0.3674, 0.4095



49.7332, 0.2297, 0.2927

Complementary

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



49.7332, 0.3426, 0.2854



72.7151, 0.2910, 0.3773

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.



49.7332, 0.2459, 0.3349



49.7332, 0.3426, 0.2854



49.7332, 0.3242, 0.4077

Square

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



49.7332, 0.3426, 0.2854



49.7332, 0.3971, 0.3883



49.7332, 0.2798, 0.3792



49.7332, 0.2336, 0.2650

Rectangle

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



49.7332, 0.3426, 0.2854



49.7332, 0.3996, 0.3423



49.7332, 0.2798, 0.3792



49.7332, 0.2329, 0.3056

Sweetspot

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



49.7355, 0.3426, 0.2854



85.5919, 0.3201, 0.3164



45.2295, 0.2832, 0.2468



17.8566, 0.3214, 0.3143



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.



49.7355, 0.3426, 0.2854



52.4249, 0.3509, 0.2761



48.2112, 0.3755, 0.3239



15.1961, 0.3205, 0.3158



10.7871, 0.4692, 0.2358



0.8663, 0.4430, 0.2214

Inverse Universe

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



49.7355, 0.3426, 0.2854



52.4249, 0.3509, 0.2761



74.5235, 0.2720, 0.3344



15.1961, 0.3205, 0.3158



10.7871, 0.4692, 0.2358



0.8663, 0.4430, 0.2214

Previews

White Background



This preview shows how the Yxy color 49.7332, 0.3426, 0.2854 looks on a white background.

Color Contrast Check

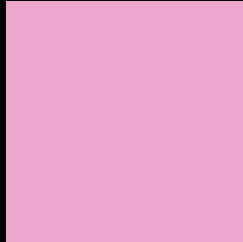
Large Text (above 18pt) WCAG AA × Fail

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 49.7332, 0.3426, 0.2854 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

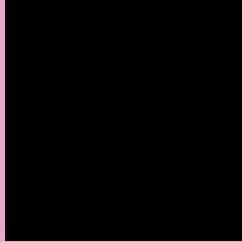
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7332, 0.3426, 0.2854

Background



This preview shows how black text looks on a background with the Yxy color 49.7332, 0.3426, 0.2854.



This preview shows how white text looks on a background with the Yxy color 49.7332, 0.3426, 0.2854.

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

49.7332, 0.3426, 0.2854

Protanopia

50.0560, 0.2847, 0.2885

Deuteranopia

49.9098, 0.3106, 0.3036



Tritanopia

49.6608, 0.3601, 0.3145

Trichromacy



Original Color

49.7332, 0.3426, 0.2854



Protanomaly

49.5127, 0.3038, 0.2874



Deuteranomaly

49.5564, 0.3220, 0.2963



Tritanomaly

49.7997, 0.3538, 0.3046

Monochromacy



Original Color

49.7332, 0.3426, 0.2854



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.3081, 0.3228, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7332, 0.3426, 0.2854 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, 166, 206)` looks like.

```
.text, #text, p{  
    color:rgb(237, 166, 206)  
}
```

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, 166, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 166, 206) }
```

Border

The CSS property to change the border of an element to Yxy 49.7332, 0.3426, 0.2854 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, 166, 206) }
```

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

```
.border{ border-color:rgb(237, 166, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 166, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(237, 166, 206); -webkit-box-shadow:4px 4px 4px 4px rgb(237, 166, 206); box-shadow:4px 4px 4px 4px rgb(237, 166, 206) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7332, 0.3426, 0.2854 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 166, 206) }
```

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

```
.background{ background-color: rgb(237,  
166, 206) }
```

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