

Converting Colors

$Y_{xy}(48.4063, 0.3473, 0.2890)$

Have a look what the booklet for
Yxy(48.4063, 0.3473, 0.2890)
contains.

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Color

Yxy(48.5539, 0.3474, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	ECA4C8
RGB	236, 164, 200
RGB Percent	93%, 64%, 78%
CMY	0.0746, 0.3568, 0.2157
CMYK	0.00, 0.30, 0.15, 0.07
HSL	330°, 65%, 78%
HSV	330°, 30%, 93%
XYZ	58.2848, 48.5539, 60.9356
YIQ	189.6320, 31.3560, 26.4600

Conversions

Conversions Part 2

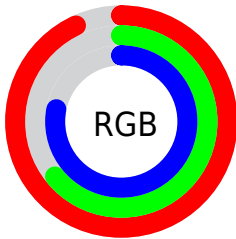
Format	Color
R _Y B	236, 164, 200
Decimal	15508680
CIE Lab	75.17, 31.80, -7.62
CIE LCh	75, 32.705, 346.524
Yxy	48.5539, 0.3474, 0.2894
Android (android.graphics.Color)	4293698760 (0xFFECA4C8)
YUV	189.6320, 5.1114, 40.6647
Hunter-Lab	69.6806, 27.3664, -3.0726

Details

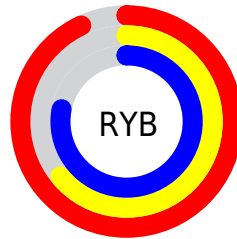
The Yxy color **48.5539, 0.3474, 0.2894** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **72.0405, 0.2882, 0.3725**, and the grayscale version is **51.2273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.6664, 0.3143, 0.2950**, and **23.0279, 0.3568, 0.2789** is the 20% darker color. If you saturate the color by 10%, you get **40.3473, 0.3635, 0.2761**, and if you desaturate by 10%, it is **58.3745, 0.3338, 0.3029**.

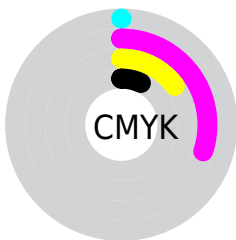
Distribution



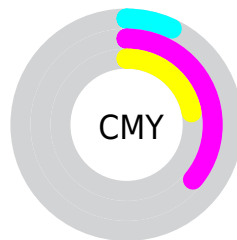
- Red (93%)
- Green (64%)
- Blue (78%)



- Red (93%)
- Yellow (64%)
- Blue (78%)



- Cyan (0%)
- Magenta (30%)
- Yellow (15%)
- Black (7%)





- Cyan (7%)
- Magenta (36%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.5539, 0.3474, 0.2894 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 48.5539, 0.3474, 0.2894 by changing the saturation by 10% instead.

 48.5539, 0.3474,
0.2894


 48.5539, 0.3474,
0.2894


380.9835, 0.3305,
0.3085

 34.2657, 0.3515,
0.2849


 88.0285, 0.3413,
0.2962

 23.0978, 0.3567,
0.2791


 113.9838, 0.3390,
0.2987

 14.6658, 0.3635,
0.2717


144.5969, 0.3371,
0.3010

 8.5851, 0.3727,
0.2618

180.2522, 0.3354,
0.3029

 4.4716, 0.3861,
0.2477

221.3341, 0.3339,
0.3045

 1.9407, 0.4069,
0.2263

268.2270, 0.3326,

 0.5727, 0.4486,

0.3060

0.1813

321.3154, 0.3315,
0.3073

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

48.5539, 0.3474,
0.2894

48.5539, 0.3474,
0.2894

40.3473, 0.3635,
0.2761

58.3745, 0.3338,
0.3029

33.6602, 0.3823,
0.2637

69.8835, 0.3225,
0.3160

28.3986, 0.4036,
0.2532

83.1585, 0.3131,
0.3284

24.4553, 0.4271,
0.2459

96.0756, 0.3055,
0.3367

■ 21.7074, 0.4519,
0.2430

■ 96.5683, 0.3011,
0.3290

■ 20.0087, 0.4767,
0.2455

■ 19.1353, 0.4993,
0.2524

Harmonies

Analogous

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



48.5539, 0.3014, 0.2660



48.5539, 0.3474, 0.2894



48.5539, 0.3856, 0.3222

Triad

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



48.5539, 0.3474, 0.2894



48.5539, 0.3621, 0.4093



48.5539, 0.2304, 0.2893

Complementary

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



48.5539, 0.3474, 0.2894



72.0405, 0.2882, 0.3725

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.



48.5539, 0.2441, 0.3296



48.5539, 0.3474, 0.2894



48.5539, 0.3188, 0.4043

Square

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



48.5539, 0.3474, 0.2894



48.5539, 0.3934, 0.3907



48.5539, 0.2758, 0.3737



48.5539, 0.2366, 0.2639

Rectangle

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



48.5539, 0.3474, 0.2894



48.5539, 0.3999, 0.3464



48.5539, 0.2758, 0.3737



48.5539, 0.2328, 0.3014

Sweetspot

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



48.5561, 0.3474, 0.2894



85.5040, 0.3210, 0.3178



44.8918, 0.2864, 0.2462



17.8349, 0.3225, 0.3160



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.



48.5561, 0.3474, 0.2894



51.1725, 0.3578, 0.2805



47.0676, 0.3816, 0.3292



15.1797, 0.3215, 0.3173



10.5766, 0.4957, 0.2504



0.8499, 0.4649, 0.2335

Inverse Universe

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



48.5561, 0.3474, 0.2894



51.1725, 0.3578, 0.2805



73.9246, 0.2689, 0.3289



15.1797, 0.3215, 0.3173



10.5766, 0.4957, 0.2504



0.8499, 0.4649, 0.2335

Previews

White Background



This preview shows how the Yxy color 48.5539, 0.3474, 0.2894 looks on a white background.

Color Contrast Check

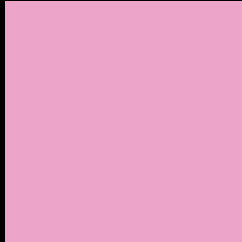
Large Text (above 18pt) WCAG AA × Fail

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 48.5539, 0.3474, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

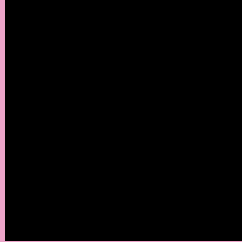
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.5539, 0.3474, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 48.5539, 0.3474, 0.2894.



This preview shows how white text looks on a background with the Yxy color 48.5539, 0.3474, 0.2894.

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

48.5539, 0.3474, 0.2894

Protanopia

48.9088, 0.2887, 0.2929

Deuteranopia

48.6795, 0.3145, 0.3082



Tritanopia

48.4251, 0.3636, 0.3145

Trichromacy



Original Color

48.5539, 0.3474, 0.2894

Protanomaly

48.4159, 0.3085, 0.2918

Deuteranomaly

48.3464, 0.3263, 0.3006

Tritanomaly

48.5225, 0.3582, 0.3056

Monochromacy



Original Color

48.5539, 0.3474, 0.2894

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

50.2082, 0.3246, 0.3134

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.5539, 0.3474, 0.2894 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, 200)` looks like.

```
.text, #text, p{  
    color:rgb(236, 164, 200)  
}
```

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, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 164, 200) }
```

Border

The CSS property to change the border of an element to Yxy 48.5539, 0.3474, 0.2894 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, 200) }
```

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

```
.border{ border-color:rgb(236, 164, 200) }
```

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, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 164, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 164, 200);  
box-shadow:4px 4px 4px 4px rgb(236, 164,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 48.5539, 0.3474, 0.2894 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, 200) }
```

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

```
.background{ background-color: rgb(236,  
164, 200) }
```

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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