

Converting Colors

Yxy(49.7604, 0.3381, 0.2772)

Have a look what the booklet for
Yxy(49.7604, 0.3381, 0.2772)
contains.

Yxy(49.8915, 0.3374, 0.2772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8915, 0.3374, 0.2772)

Conversions

Conversions Part 1

Format	Color
Hex	EEA5D5
RGB	238, 165, 213
RGB Percent	93%, 65%, 84%
CMY	0.0666, 0.3529, 0.1648
CMYK	0.00, 0.31, 0.11, 0.07
HSL	321°, 68%, 79%
HSV	321°, 31%, 93%
XYZ	60.7265, 49.8915, 69.3657
YIQ	192.2990, 28.1000, 30.4040

Conversions

Conversions Part 2

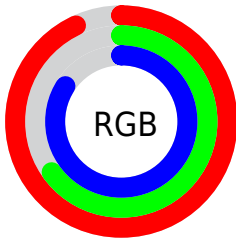
Format	Color
R _Y B	238, 165, 213
Decimal	15640021
CIE Lab	76.00, 34.08, -13.47
CIE LCh	76, 36.643, 338.439
Yxy	49.8915, 0.3374, 0.2772
Android (android.graphics.Color)	4293830101 (0xFFEEA5D5)
YUV	192.2990, 10.2056, 40.0798
Hunter-Lab	70.6339, 29.8535, -8.7818

Details

The Yxy color $49.8915, 0.3374, 0.2772$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $72.8766, 0.2944, 0.3873$, and the grayscale version is $52.8242, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.1929, 0.3143, 0.2960$, and $23.8807, 0.3438, 0.2647$ is the 20% darker color. If you saturate the color by 10%, you get $41.6877, 0.3483, 0.2601$, and if you desaturate by 10%, it is $59.7184, 0.3280, 0.2946$.

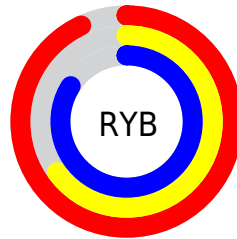
Distribution



Red (93%)

Green (65%)

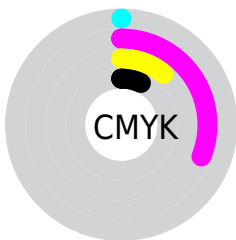
Blue (84%)



Red (93%)

Yellow (65%)

Blue (84%)

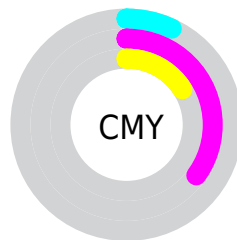


Cyan (0%)

Magenta (31%)

Yellow (11%)

Black (7%)



Cyan (7%)


Magenta (35%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8915, 0.3374, 0.2772 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 49.8915, 0.3374, 0.2772 by changing the saturation by 10% instead.


 49.8915, 0.3374,
0.2772

 49.8915, 0.3374,
0.2772


386.2415, 0.3257,
0.3017

 35.3272, 0.3401,
0.2715


 90.0141, 0.3333,
0.2858

 23.9150, 0.3435,
0.2644


 116.3412, 0.3317,
0.2891

 15.2706, 0.3478,
0.2553


147.3580, 0.3304,
0.2919

 9.0095, 0.3536,
0.2433

183.4489, 0.3292,
0.2944

 4.7474, 0.3615,
0.2267

224.9983, 0.3282,
0.2966

 2.0998, 0.3732,
0.2024

272.3906, 0.3273,

 0.6645, 0.3933,

0.2985

0.1604

326.0102, 0.3265,
0.3002

0.0000, 0.4723,
0.0000

0.0000, 0.0000,
0.0000

49.8915, 0.3374,
0.2772

49.8915, 0.3374,
0.2772

41.6877, 0.3483,
0.2601

59.7184, 0.3280,
0.2946

35.0110, 0.3607,
0.2442

71.2438, 0.3199,
0.3116

29.7660, 0.3744,
0.2304

84.5465, 0.3131,
0.3279

25.8435, 0.3891,
0.2200

96.3305, 0.3076,
0.3382

■ 23.1185, 0.4043,
0.2139

■ 96.8418, 0.3030,
0.3302

■ 21.4417, 0.4195,
0.2128

■ 96.9197, 0.3023,
0.3290

■ 20.5936, 0.4333,
0.2160

Harmonies

Analogous

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



49.8915, 0.2869, 0.2553



49.8915, 0.3374, 0.2772



49.8915, 0.3840, 0.3108

Triad

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



49.8915, 0.3374, 0.2772



49.8915, 0.3782, 0.4145



49.8915, 0.2240, 0.2952

Complementary

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



49.8915, 0.3374, 0.2772



72.8766, 0.2944, 0.3873

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.



49.8915, 0.2445, 0.3429



49.8915, 0.3374, 0.2772



49.8915, 0.3324, 0.4177

Square

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



49.8915, 0.3374, 0.2772



49.8915, 0.4076, 0.3880



49.8915, 0.2835, 0.3906



49.8915, 0.2250, 0.2625

Rectangle

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



49.8915, 0.3374, 0.2772



49.8915, 0.4047, 0.3368



49.8915, 0.2835, 0.3906



49.8915, 0.2285, 0.3100

Sweetspot

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



49.8938, 0.3374, 0.2772



85.7248, 0.3187, 0.3143



43.9472, 0.2765, 0.2433



17.8894, 0.3198, 0.3119



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.



49.8938, 0.3374, 0.2772



51.9363, 0.3443, 0.2661



48.2719, 0.3705, 0.3156



15.9339, 0.3190, 0.3136



11.5128, 0.4310, 0.2148



0.9764, 0.4128, 0.2048

Inverse Universe

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



49.8938, 0.3374, 0.2772



51.9363, 0.3443, 0.2661



74.6398, 0.2749, 0.3431



15.9339, 0.3190, 0.3136



11.5128, 0.4310, 0.2148



0.9764, 0.4128, 0.2048

Previews

White Background



This preview shows how the Yxy color 49.8915, 0.3374, 0.2772 looks on a white background.

Color Contrast Check

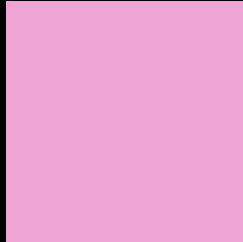
Large Text (above 18pt) WCAG AA × Fail

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 49.8915, 0.3374, 0.2772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

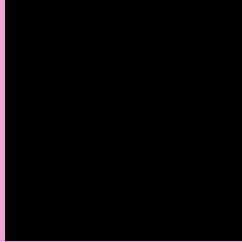
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8915, 0.3374, 0.2772

Background



This preview shows how black text looks on a background with the Yxy color 49.8915, 0.3374, 0.2772.



This preview shows how white text looks on a background with the Yxy color 49.8915, 0.3374, 0.2772.

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

49.8915, 0.3374, 0.2772

Protanopia

50.2476, 0.2779, 0.2792

Deuteranopia

50.2559, 0.3027, 0.2964



Tritanopia

49.6608, 0.3601, 0.3145

Trichromacy



Original Color

49.8915, 0.3374, 0.2772



Protanomaly

49.3941, 0.2970, 0.2772



Deuteranomaly

49.6027, 0.3146, 0.2882



Tritanomaly

49.5625, 0.3513, 0.3002

Monochromacy



Original Color

49.8915, 0.3374, 0.2772



Achromatopsia

52.7115, 0.3127, 0.3290



Achromatomaly

51.1813, 0.3213, 0.3077

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8915, 0.3374, 0.2772 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(238, 165, 213)` looks like.

```
.text, #text, p{  
    color:rgb(238, 165, 213)  
}
```

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(238, 165, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 165, 213) }
```

Border

The CSS property to change the border of an element to Yxy 49.8915, 0.3374, 0.2772 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(238, 165, 213) }
```

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

```
.border{ border-color:rgb(238, 165, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 165, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 165, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 165, 213);  
box-shadow:4px 4px 4px 4px rgb(238, 165,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8915, 0.3374, 0.2772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 165, 213) }
```

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

```
.background{ background-color: rgb(238,  
165, 213) }
```

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