

Converting Colors

$Y_{xy}(50.0778, 0.3299, 0.2872)$

Have a look what the booklet for
Yxy(50.0778, 0.3299, 0.2872)
contains.

Yxy(49.8980, 0.3296, 0.2863)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8980, 0.3296, 0.2863)

Conversions

Conversions Part 1

Format	Color
Hex	E2ABD1
RGB	226, 171, 209
RGB Percent	89%, 67%, 82%
CMY	0.1136, 0.3295, 0.1803
CMYK	0.00, 0.24, 0.08, 0.11
HSL	319°, 49%, 78%
HSV	319°, 24%, 89%
XYZ	57.4446, 49.8980, 66.9431
YIQ	191.7770, 20.5820, 23.4780

Conversions

Conversions Part 2

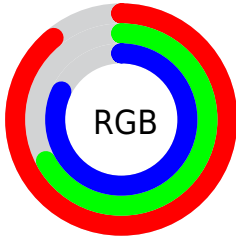
Format	Color
R _Y B	226, 171, 209
Decimal	14855121
CIE Lab	76.01, 26.16, -11.43
CIE LCh	76, 28.549, 336.395
Yxy	49.8980, 0.3296, 0.2863
Android (android.graphics.Color)	4293045201 (0xFFE2ABD1)
YUV	191.7770, 8.4909, 30.0136
Hunter-Lab	70.6385, 21.5422, -6.7413

Details

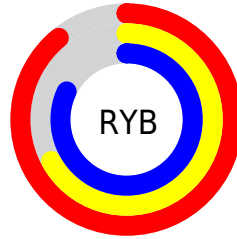
The Yxy color **49.8980, 0.3296, 0.2863** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.6952, 0.2991, 0.3759**, and the grayscale version is **52.5187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **23.8695, 0.3333, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **41.7413, 0.3386, 0.2682**, and if you desaturate by 10%, it is **59.5343, 0.3219, 0.3043**.

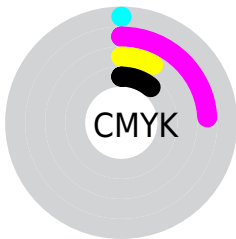
Distribution



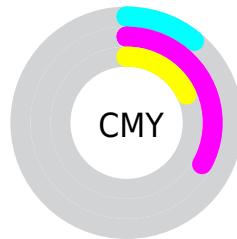
- Red (89%)
- Green (67%)
- Blue (82%)



- Red (89%)
- Yellow (67%)
- Blue (82%)



- Cyan (0%)
- Magenta (24%)
- Yellow (8%)
- Black (11%)




- Cyan (11%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8980, 0.3296, 0.2863 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 49.8980, 0.3296, 0.2863 by changing the saturation by 10% instead.


 49.8980, 0.3296,
0.2863

 49.8980, 0.3296,
0.2863


386.2669, 0.3216,
0.3067

 35.3324, 0.3315,
0.2815


 90.0237, 0.3268,
0.2935

 23.9190, 0.3338,
0.2755


116.3526, 0.3257,
0.2962

 15.2736, 0.3368,
0.2678


147.3714, 0.3248,
0.2986

 9.0116, 0.3408,
0.2575

183.4644, 0.3240,
0.3006

 4.7487, 0.3463,
0.2430

225.0160, 0.3233,
0.3024

 2.1006, 0.3544,
0.2215

272.4108, 0.3227,

 0.6650, 0.3691,

0.3040

0.1821

326.0329, 0.3221,
0.3054

0.0000, 0.4073,
0.0000

0.0000, 0.0000,
0.0000

49.8980, 0.3296,
0.2863

49.8980, 0.3296,
0.2863

41.7413, 0.3386,
0.2682

59.5343, 0.3219,
0.3043

34.9831, 0.3488,
0.2508

70.7126, 0.3153,
0.3217

29.5445, 0.3603,
0.2348

83.5000, 0.3097,
0.3382

25.3362, 0.3727,
0.2215

93.8050, 0.3052,
0.3473

■ 22.2578, 0.3858,
0.2119

■ 94.2210, 0.3013,
0.3402

■ 20.1927, 0.3992,
0.2068

■ 94.6530, 0.2974,
0.3331

■ 18.9990, 0.4122,
0.2068

■ 94.9133, 0.2952,
0.3289

■ 18.5809, 0.4195,
0.2085

Harmonies

Analogous

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



49.8980, 0.2903, 0.2694



49.8980, 0.3296, 0.2863



49.8980, 0.3661, 0.3131

Triad

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



49.8980, 0.3296, 0.2863



49.8980, 0.3666, 0.3952



49.8980, 0.2429, 0.3057

Complementary

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



49.8980, 0.3296, 0.2863



66.6952, 0.2991, 0.3759

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.



49.8980, 0.2608, 0.3429



49.8980, 0.3296, 0.2863



49.8980, 0.3316, 0.3977

Square

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



49.8980, 0.3296, 0.2863



49.8980, 0.3878, 0.3746



49.8980, 0.2929, 0.3781



49.8980, 0.2424, 0.2784

Rectangle

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



49.8980, 0.3296, 0.2863



49.8980, 0.3829, 0.3340



49.8980, 0.2929, 0.3781



49.8980, 0.2471, 0.3175

Sweetspot

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



49.9002, 0.3296, 0.2863



88.7852, 0.3169, 0.3171



45.2427, 0.2839, 0.2626



18.8072, 0.3173, 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.



49.9002, 0.3296, 0.2863



60.1633, 0.3338, 0.2775



48.6727, 0.3535, 0.3164



13.8598, 0.3185, 0.3129



10.6196, 0.4175, 0.2074



0.7519, 0.3990, 0.1972

Inverse Universe

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



49.9002, 0.3296, 0.2863



60.1633, 0.3338, 0.2775



67.9722, 0.2832, 0.3421



13.8598, 0.3185, 0.3129



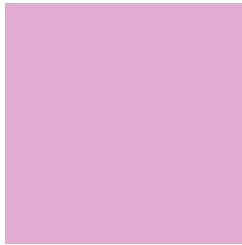
10.6196, 0.4175, 0.2074



0.7519, 0.3990, 0.1972

Previews

White Background



This preview shows how the Yxy color 49.8980, 0.3296, 0.2863 looks on a white background.

Color Contrast Check

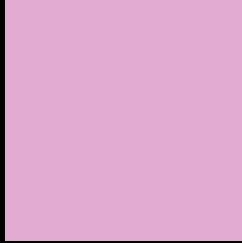
Large Text (above 18pt) WCAG AA × Fail

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 49.8980, 0.3296, 0.2863 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

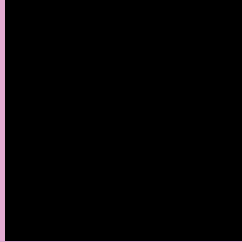
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8980, 0.3296, 0.2863

Background



This preview shows how black text looks on a background with the Yxy color 49.8980, 0.3296, 0.2863.



This preview shows how white text looks on a background with the Yxy color 49.8980, 0.3296, 0.2863.

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

49.8980, 0.3296, 0.2863

Protanopia

50.1774, 0.2854, 0.2885

Deuteranopia

50.2423, 0.3058, 0.3000



Tritanopia

49.9788, 0.3446, 0.3140

Trichromacy



Original Color

49.8980, 0.3296, 0.2863

Protanomaly

49.9598, 0.3006, 0.2884

Deuteranomaly

50.2042, 0.3143, 0.2949

Tritanomaly

50.1049, 0.3386, 0.3039

Monochromacy



Original Color

49.8980, 0.3296, 0.2863

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

51.1956, 0.3185, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8980, 0.3296, 0.2863 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(226, 171, 209)` looks like.

```
.text, #text, p{  
    color:rgb(226, 171, 209)  
}
```

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(226, 171, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 171, 209) }
```

Border

The CSS property to change the border of an element to Yxy 49.8980, 0.3296, 0.2863 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(226, 171, 209) }
```

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

```
.border{ border-color:rgb(226, 171, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 171, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 171, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 171, 209);  
box-shadow:4px 4px 4px 4px rgb(226, 171,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8980, 0.3296, 0.2863 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 171, 209) }
```

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

```
.background{ background-color: rgb(226,  
171, 209) }
```

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