

# Converting Colors

Yxy(44.9356, 0.2999, 0.2559)

Have a look what the booklet for  
Yxy(44.9356, 0.2999, 0.2559)  
contains.

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# Color

**Yxy(44.9508, 0.2997, 0.2563)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFA3E2
RGB	207, 163, 226
RGB Percent	81%, 64%, 89%
CMY	0.1882, 0.3608, 0.1137
CMYK	0.08, 0.28, 0.00, 0.11
HSL	282°, 52%, 76%
HSV	282°, 28%, 89%
XYZ	52.5624, 44.9508, 77.8703
YIQ	183.3380, 6.0010, 28.9210

# Conversions

## Conversions Part 2

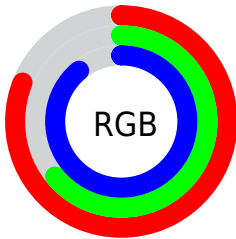
Format	Color
RYP	207, 163, 226
Decimal	13607906
CIELab	72.86, 27.39, -25.65
CIElCh	73, 37.526, 316.883
Yxy	44.9508, 0.2997, 0.2563
Android (android.graphics.Color)	4291797986 (0xFFCFA3E2)
YUV	183.3380, 21.0324, 20.7516
Hunter-Lab	67.0454, 22.6117, -21.9310

# Details

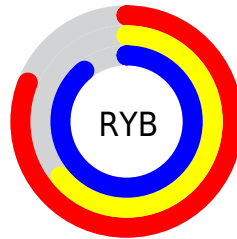
The Yxy color **44.9508, 0.2997, 0.2563** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **66.9913, 0.3221, 0.4063**, and the grayscale version is **47.4309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6228, 0.3144, 0.2930**, and **20.9466, 0.2957, 0.2393** is the 20% darker color. If you saturate the color by 10%, you get **36.6709, 0.2935, 0.2288**, and if you desaturate by 10%, it is **54.7111, 0.3051, 0.2834**.

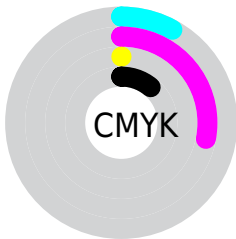
# Distribution



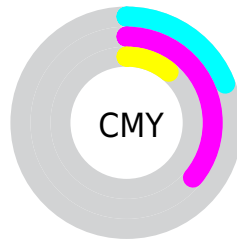
- Red (81%)
- Green (64%)
- Blue (89%)



- Red (81%)
- Yellow (64%)
- Blue (89%)



- Cyan (8%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)




- Cyan (19%)
- Magenta (36%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9508, 0.2997, 0.2563 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 44.9508, 0.2997, 0.2563 by changing the saturation by 10% instead.





 44.9508, 0.2997,  
0.2563

 44.9508, 0.2997,  
0.2563


366.5743, 0.3069,  
0.2908

 31.4187, 0.2977,  
0.2483


 82.6466, 0.3024,  
0.2684

 20.9179, 0.2952,  
0.2383


 107.5790, 0.3034,  
0.2731

 13.0640, 0.2916,  
0.2256


137.0804, 0.3043,  
0.2771

 7.4726, 0.2864,  
0.2088

171.5350, 0.3049,  
0.2805

 3.7594, 0.2785,  
0.1860

211.3273, 0.3055,  
0.2836

 1.5399, 0.2650,  
0.1535

256.8417, 0.3061,

 0.3166, 0.2458,

0.2863

0.0797

308.4625, 0.3065,  
0.2886

0.0000, 0.0000,  
0.0000

44.9508, 0.2997,  
0.2563

44.9508, 0.2997,  
0.2563

36.6709, 0.2935,  
0.2288

54.7111, 0.3051,  
0.2834

29.7888, 0.2865,  
0.2019

66.0173, 0.3097,  
0.3095

24.2223, 0.2789,  
0.1767

78.9379, 0.3135,  
0.3340

19.8782, 0.2708,  
0.1545

93.5355, 0.3166,  
0.3568

16.6508, 0.2626,  
0.1362

95.7281, 0.3208,  
0.3579

■ 14.4156, 0.2544,  
0.1227

■ 96.9503, 0.3252,  
0.3576

■ 13.0000, 0.2466,  
0.1139

■ 98.2178, 0.3296,  
0.3572

■ 12.7493, 0.2450,  
0.1123

■ 98.2720, 0.3297,  
0.3572

# Harmonies

## Analogous

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



44.9508, 0.2533, 0.2450



44.9508, 0.2997, 0.2563



44.9508, 0.3539, 0.2833

# Triad

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



44.9508, 0.2997, 0.2563



44.9508, 0.4068, 0.4006



44.9508, 0.2323, 0.3283

# Complementary

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



44.9508, 0.2997, 0.2563



66.9913, 0.3221, 0.4063

# 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.



44.9508, 0.2685, 0.3816



44.9508, 0.2997, 0.2563



44.9508, 0.3693, 0.4237

# Square

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



44.9508, 0.2997, 0.2563



44.9508, 0.4187, 0.3627



44.9508, 0.3184, 0.4186



44.9508, 0.2171, 0.2813



# Rectangle

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



44.9508, 0.2997, 0.2563



44.9508, 0.3862, 0.3076



44.9508, 0.3184, 0.4186



44.9508, 0.2422, 0.3464

# Sweetspot

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



44.9527, 0.2997, 0.2563



86.5201, 0.3096, 0.3091



47.1252, 0.2668, 0.2747



18.0094, 0.3089, 0.3052



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.



44.9527, 0.2997, 0.2563



53.0514, 0.2965, 0.2416



47.2430, 0.3257, 0.2716



13.7174, 0.3090, 0.3056



7.3368, 0.2462, 0.1130



0.5546, 0.2580, 0.1195



# Inverse Universe

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



45.7414, 0.3552, 0.3071



54.3246, 0.3664, 0.3027



65.2663, 0.3020, 0.3942



13.7682, 0.3245, 0.3220



9.4817, 0.5749, 0.2941



0.6728, 0.5308, 0.2698



# Previews

## White Background



This preview shows how the Yxy color 44.9508, 0.2997, 0.2563 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

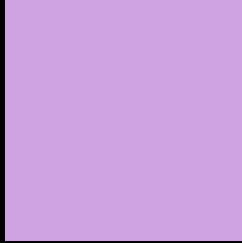
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9508, 0.2997, 0.2563 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

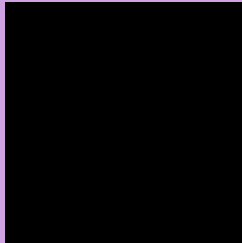
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9508, 0.2997, 0.2563**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9508, 0.2997, 0.2563.



This preview shows how white text looks on a background with the Yxy color 44.9508, 0.2997, 0.2563.

# 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

44.9508, 0.2997, 0.2563

### Protanopia

45.2869, 0.2598, 0.2560

### Deuteranopia

45.0404, 0.2751, 0.2680



## Tritanopia

45.0040, 0.3288, 0.3129

# Trichromacy



## Original Color

44.9508, 0.2997, 0.2563

## Protanomaly

44.9149, 0.2733, 0.2562

## Deuteranomaly

45.0012, 0.2834, 0.2635

## Tritanomaly

44.8253, 0.3181, 0.2913

# Monochromacy



## Original Color

44.9508, 0.2997, 0.2563

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

46.3807, 0.3080, 0.3003

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9508, 0.2997, 0.2563 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(207, 163, 226)` looks like.

```
.text, #text, p{  
    color:rgb(207, 163, 226)  
}
```

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(207, 163, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 163, 226) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9508, 0.2997, 0.2563 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(207, 163, 226) }
```

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

```
.border{ border-color:rgb(207, 163, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 163, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 163, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 163, 226);  
box-shadow:4px 4px 4px 4px rgb(207, 163,  
226) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9508, 0.2997, 0.2563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 163, 226) }
```

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

```
.background{ background-color: rgb(207,  
163, 226) }
```

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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