

# Converting Colors

$Yxy(45.9639, 0.3493, 0.3027)$

Have a look what the booklet for  
Yxy(45.9639, 0.3493, 0.3027)  
contains.

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# Color

**Yxy(45.9861, 0.3484, 0.3024)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0A4BB
RGB	224, 164, 187
RGB Percent	88%, 64%, 73%
CMY	0.1217, 0.3568, 0.2666
CMYK	0.00, 0.27, 0.17, 0.12
HSL	337°, 49%, 76%
HSV	337°, 27%, 88%
XYZ	52.9813, 45.9861, 53.1030
YIQ	184.5620, 28.3770, 19.8730

# Conversions

## Conversions Part 2

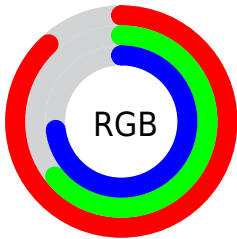
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 164, 187
Decimal	14722235
CIE <sub>Lab</sub>	73.54, 25.56, -3.06
CIE <sub>LCh</sub>	74, 25.744, 353.185
Yxy	45.9861, 0.3484, 0.3024
Android (android.graphics.Color)	4292912315 (0xFFE0A4BB)
YUV	184.5620, 1.2019, 34.5871
Hunter-Lab	67.8131, 20.7866, 1.0404

# Details

The Yxy color  $45.9861, 0.3484, 0.3024$  is a light color, and the websafe version is hex `CC9999`. A complement of this color would be  $65.4100, 0.2869, 0.3574$ , and the grayscale version is  $48.2423, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.3941, 0.3223, 0.3054$ , and  $21.6344, 0.3584, 0.2954$  is the 20% darker color. If you saturate the color by 10%, you get  $38.1009, 0.3672, 0.2920$ , and if you desaturate by 10%, it is  $55.3441, 0.3328, 0.3127$ .

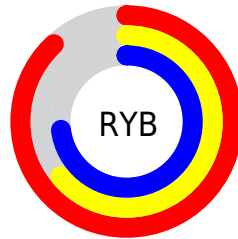
# Distribution



Red (88%)

Green (64%)

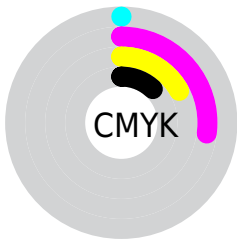
Blue (73%)



Red (88%)

Yellow (64%)

Blue (73%)

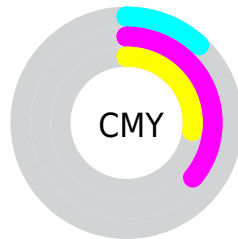


Cyan (0%)

Magenta (27%)

Yellow (17%)

Black (12%)



Cyan (12%)

Magenta (36%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.9861, 0.3484, 0.3024 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 45.9861, 0.3484, 0.3024 by changing the saturation by 10% instead.





 45.9861, 0.3484,  
0.3024

 45.9861, 0.3484,  
0.3024


370.7528, 0.3306,  
0.3155

 32.2349, 0.3528,  
0.2992


 84.1982, 0.3420,  
0.3071

 21.5409, 0.3585,  
0.2951


 109.4278, 0.3395,  
0.3089

 13.5200, 0.3660,  
0.2896


139.2524, 0.3375,  
0.3104

 7.7876, 0.3765,  
0.2821

174.0563, 0.3357,  
0.3117

 3.9593, 0.3920,  
0.2712

214.2238, 0.3342,  
0.3129

 1.6508, 0.4174,  
0.2537

260.1395, 0.3329,

 0.3915, 0.4937,

0.3139

0.1922

312.1877, 0.3317,  
0.3148

0.0000, 0.0000,  
0.0000

45.9861, 0.3484,  
0.3024

45.9861, 0.3484,  
0.3024

38.1009, 0.3672,  
0.2920

55.3441, 0.3328,  
0.3127

31.6065, 0.3896,  
0.2821

66.2387, 0.3200,  
0.3226

26.4226, 0.4157,  
0.2736

78.7377, 0.3096,  
0.3319

22.4580, 0.4451,  
0.2676

92.9029, 0.3010,  
0.3405

19.6094, 0.4767,  
0.2654

94.5839, 0.2940,  
0.3289

■ 17.7564, 0.5087,  
0.2680

■ 16.7450, 0.5384,  
0.2760

■ 16.5141, 0.5476,  
0.2790

# Harmonies

## Analogous

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



45.9861, 0.3121, 0.2809



45.9861, 0.3484, 0.3024



45.9861, 0.3757, 0.3306

# Triad

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



45.9861, 0.3484, 0.3024



45.9861, 0.3457, 0.3939



45.9861, 0.2454, 0.2918

# Complementary

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



45.9861, 0.3484, 0.3024



65.4100, 0.2869, 0.3574

# 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.



45.9861, 0.2533, 0.3222



45.9861, 0.3484, 0.3024



45.9861, 0.3101, 0.3846

# Square

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



45.9861, 0.3484, 0.3024



45.9861, 0.3735, 0.3838



45.9861, 0.2764, 0.3572



45.9861, 0.2541, 0.2738



# Rectangle

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



45.9861, 0.3484, 0.3024



45.9861, 0.3842, 0.3505



45.9861, 0.2764, 0.3572



45.9861, 0.2462, 0.3008

# Sweetspot

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



45.9882, 0.3484, 0.3024



86.8842, 0.3215, 0.3214



44.2150, 0.2954, 0.2584



18.1024, 0.3234, 0.3199



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.



45.9882, 0.3484, 0.3024



55.6938, 0.3582, 0.2967



47.2782, 0.3685, 0.3362



13.7871, 0.3232, 0.3200



9.6353, 0.5436, 0.2768



0.6850, 0.5020, 0.2539



# Inverse Universe

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



45.9882, 0.3484, 0.3024



55.6938, 0.3582, 0.2967



63.4082, 0.2731, 0.3216



13.7871, 0.3232, 0.3200



9.6353, 0.5436, 0.2768



0.6850, 0.5020, 0.2539



# Previews

## White Background



This preview shows how the Yxy color 45.9861, 0.3484, 0.3024 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

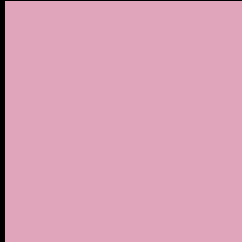
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.9861, 0.3484, 0.3024 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

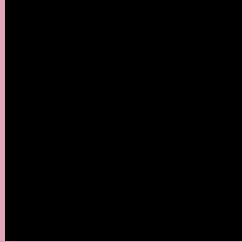
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.9861, 0.3484, 0.3024**

## Background



This preview shows how black text looks on a background with the Yxy color 45.9861, 0.3484, 0.3024.



This preview shows how white text looks on a background with the Yxy color 45.9861, 0.3484, 0.3024.

# 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

45.9861, 0.3484, 0.3024

### Protanopia

46.3770, 0.2995, 0.3072

### Deuteranopia

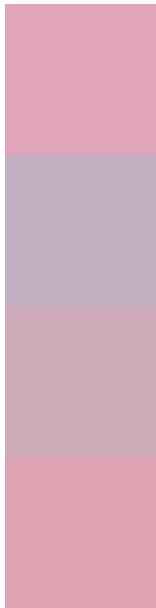
46.0330, 0.3239, 0.3165



## Tritanopia

45.8126, 0.3557, 0.3139

# Trichromacy



## Original Color

45.9861, 0.3484, 0.3024

## Protanomaly

45.8581, 0.3165, 0.3053

## Deuteranomaly

45.9364, 0.3325, 0.3107

## Tritanomaly

45.9344, 0.3529, 0.3104

# Monochromacy



## Original Color

45.9861, 0.3484, 0.3024

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.1316, 0.3246, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.9861, 0.3484, 0.3024 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(224, 164, 187)` looks like.

```
.text, #text, p{  
    color:rgb(224, 164, 187)  
}
```

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(224, 164, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 164, 187) }
```

## Border

The CSS property to change the border of an element to Yxy 45.9861, 0.3484, 0.3024 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(224, 164, 187) }
```

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

```
.border{ border-color:rgb(224, 164, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 164, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 164, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 164, 187);  
box-shadow:4px 4px 4px 4px rgb(224, 164,  
187) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.9861, 0.3484, 0.3024 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 164, 187) }
```

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

```
.background{ background-color: rgb(224,  
164, 187) }
```

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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