

# Converting Colors

$Y_{xy}(45.6420, 0.33370, 0.2632)$

Have a look what the booklet for  
Yxy(45.6420, 0.3370, 0.2632)  
contains.

<b>Yxy(45.6420, 0.3370, 0.2632)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(45.6420, 0.3370, 0.2632)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ED99D6
RGB	237, 153, 214
RGB Percent	93%, 60%, 84%
CMY	0.0708, 0.3999, 0.1609
CMYK	0.00, 0.35, 0.10, 0.07
HSL	316°, 70%, 76%
HSV	316°, 35%, 93%
XYZ	58.4398, 45.6420, 69.3301
YIQ	185.0700, 30.4830, 36.7790

# Conversions

## Conversions Part 2

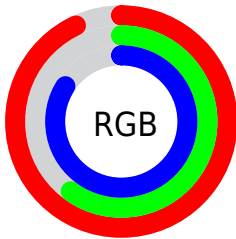
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	237, 153, 214
Decimal	15571414
CIE <sub>Lab</sub>	73.31, 40.20, -18.07
CIE <sub>LCh</sub>	73, 44.076, 335.791
Yxy	45.6420, 0.3370, 0.2632
Android (android.graphics.Color)	4293761494 (0xFFED99D6)
YUV	185.0700, 14.2625, 45.5426
Hunter-Lab	67.5589, 36.1781, -13.5532

# Details

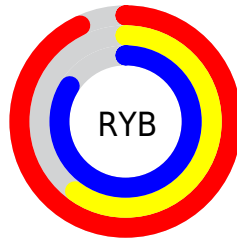
The Yxy color  $45.6420, 0.3370, 0.2632$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $70.4533, 0.2951, 0.4056$ , and the grayscale version is  $48.4645, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.5918, 0.3149, 0.2831$ , and  $21.3208, 0.3434, 0.2470$  is the 20% darker color. If you saturate the color by 10%, you get  $38.3154, 0.3462, 0.2451$ , and if you desaturate by 10%, it is  $54.5262, 0.3288, 0.2821$ .

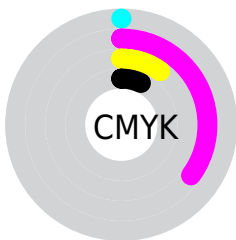
# Distribution



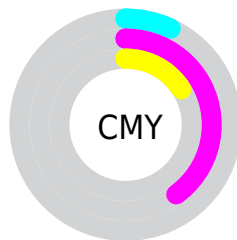
- Red (93%)
- Green (60%)
- Blue (84%)



- Red (93%)
- Yellow (60%)
- Blue (84%)



- Cyan (0%)
- Magenta (35%)
- Yellow (10%)
- Black (7%)




- Cyan (7%)
- Magenta (40%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.6420, 0.3370, 0.2632 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 45.6420, 0.3370, 0.2632 by changing the saturation by 10% instead.





 45.6420, 0.3370,  
0.2632


 45.6420, 0.3370,  
0.2632


369.3675, 0.3257,  
0.2943

 31.9634, 0.3396,  
0.2560


 83.6830, 0.3331,  
0.2741

 21.3336, 0.3428,  
0.2469


 108.8141, 0.3315,  
0.2783

 13.3680, 0.3468,  
0.2354


138.5316, 0.3302,  
0.2819

 7.6825, 0.3521,  
0.2203

173.2198, 0.3291,  
0.2851

 3.8924, 0.3591,  
0.1995

213.2631, 0.3281,  
0.2878

 1.6136, 0.3689,  
0.1694

259.0459, 0.3272,

 0.3667, 0.3927,

0.2902

0.1007

310.9525, 0.3264,  
0.2924

0.0000, 0.3777,  
0.0000

0.0000, 0.0000,  
0.0000

45.6420, 0.3370,  
0.2632

45.6420, 0.3370,  
0.2632

38.3154, 0.3462,  
0.2451

54.5262, 0.3288,  
0.2821

32.4483, 0.3564,  
0.2287


65.0458, 0.3217,  
0.3010


27.9414, 0.3674,  
0.2151


77.2813, 0.3156,  
0.3194


24.6800, 0.3788,  
0.2054


91.3056, 0.3105,  
0.3369

 22.5309, 0.3903,  
0.2003

 96.1964, 0.3065,  
0.3375

 21.3298, 0.4014,  
0.2002

 96.6028, 0.3029,  
0.3310

 20.9780, 0.4065,  
0.2013

 96.7368, 0.3017,  
0.3290

# Harmonies

## Analogous

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



45.6420, 0.2754, 0.2386



45.6420, 0.3370, 0.2632



45.6420, 0.3968, 0.3020

# Triad

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



45.6420, 0.3370, 0.2632



45.6420, 0.3963, 0.4317



45.6420, 0.2061, 0.2906

# Complementary

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



45.6420, 0.3370, 0.2632



70.4533, 0.2951, 0.4056

# 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.



45.6420, 0.2323, 0.3512



45.6420, 0.3370, 0.2632



45.6420, 0.3409, 0.4415

# Square

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



45.6420, 0.3370, 0.2632



45.6420, 0.4311, 0.3952



45.6420, 0.2808, 0.4113



45.6420, 0.2054, 0.2496



# Rectangle

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



45.6420, 0.3370, 0.2632



45.6420, 0.4244, 0.3326



45.6420, 0.2808, 0.4113



45.6420, 0.2120, 0.3092

# Sweetspot

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



45.6441, 0.3370, 0.2632



82.9059, 0.3189, 0.3091



38.0671, 0.2652, 0.2271



17.3321, 0.3198, 0.3066



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.



45.6441, 0.3370, 0.2632



47.8814, 0.3431, 0.2508



43.7926, 0.3775, 0.3072



15.2393, 0.3180, 0.3120



11.4813, 0.4047, 0.2003



0.9176, 0.3905, 0.1925



# Inverse Universe

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



45.6441, 0.3370, 0.2632



47.8814, 0.3431, 0.2508



72.3473, 0.2728, 0.3525



15.2393, 0.3180, 0.3120



11.4813, 0.4047, 0.2003



0.9176, 0.3905, 0.1925



# Previews

## White Background



This preview shows how the Yxy color 45.6420, 0.3370, 0.2632 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

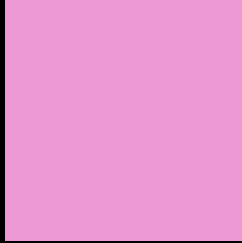
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.6420, 0.3370, 0.2632 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

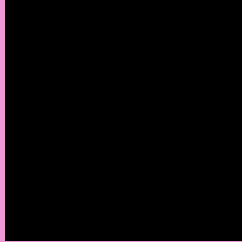
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 45.6420, 0.3370, 0.2632**

## Background



This preview shows how black text looks on a background with the Yxy color 45.6420, 0.3370, 0.2632.

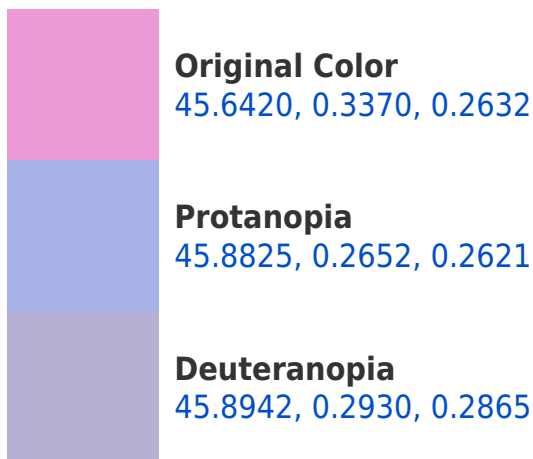


This preview shows how white text looks on a background with the Yxy color 45.6420, 0.3370, 0.2632.

# 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





## Tritanopia

45.6627, 0.3700, 0.3154

# Trichromacy



## Original Color

45.6420, 0.3370, 0.2632



## Protanomaly

45.0186, 0.2881, 0.2620



## Deuteranomaly

45.4049, 0.3081, 0.2777



## Tritanomaly

45.5770, 0.3580, 0.2954

# Monochromacy



## Original Color

45.6420, 0.3370, 0.2632



## Achromatopsia

48.5150, 0.3127, 0.3290



## Achromatomaly

46.7100, 0.3211, 0.3011

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.6420, 0.3370, 0.2632 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(237, 153, 214)` looks like.

```
.text, #text, p{  
    color:rgb(237, 153, 214)  
}
```

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(237, 153, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 153, 214) }
```

## Border

The CSS property to change the border of an element to Yxy 45.6420, 0.3370, 0.2632 is called "border". The border property can be set on classes, ids or directly on the HTML element.

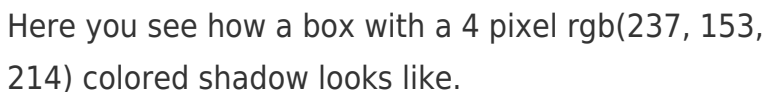
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(237, 153, 214) }
```

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

```
.border{ border-color:rgb(237, 153, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(237, 153, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 153, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 153, 214);  
box-shadow:4px 4px 4px 4px rgb(237, 153,  
214) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.6420, 0.3370, 0.2632 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 153, 214) }
```

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

```
.background{ background-color: rgb(237,  
153, 214) }
```

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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