

# Converting Colors

$Y_{xy}(44.9517, 0.3212, 0.2513)$

Have a look what the booklet for  
Yxy(44.9517, 0.3212, 0.2513)  
contains.

<b>Yxy(44.9873, 0.3218, 0.2518)</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(44.9873, 0.3218, 0.2518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E699E0
RGB	230, 153, 224
RGB Percent	90%, 60%, 88%
CMY	0.0978, 0.4001, 0.1215
CMYK	0.00, 0.34, 0.03, 0.10
HSL	305°, 61%, 75%
HSV	305°, 34%, 90%
XYZ	57.4937, 44.9873, 76.1818
YIQ	184.1170, 23.1010, 38.4050

# Conversions

## Conversions Part 2

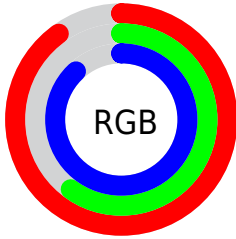
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 153, 224
Decimal	15112672
CIE <sub>Lab</sub>	72.88, 39.74, -24.31
CIE <sub>LCh</sub>	73, 46.585, 328.551
Yxy	44.9873, 0.3218, 0.2518
Android (android.graphics.Color)	4293302752 (0xFFE699E0)
YUV	184.1170, 19.6623, 40.2394
Hunter-Lab	67.0726, 35.6308, -20.3915

# Details

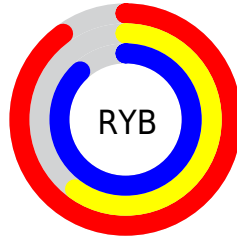
The Yxy color **44.9873, 0.3218, 0.2518** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.9000, 0.3046, 0.4208**, and the grayscale version is **47.8820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.5918, 0.3149, 0.2831**, and **20.8632, 0.3222, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **38.0747, 0.3250, 0.2298**, and if you desaturate by 10%, it is **53.3566, 0.3188, 0.2749**.

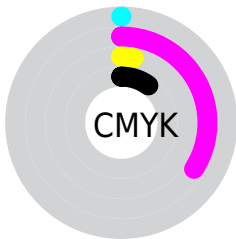
# Distribution



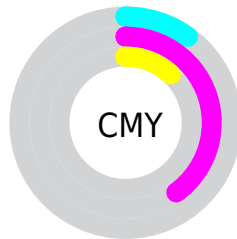
- Red (90%)
- Green (60%)
- Blue (88%)



- Red (90%)
- Yellow (60%)
- Blue (88%)



- Cyan (0%)
- Magenta (34%)
- Yellow (3%)
- Black (10%)




- Cyan (10%)
- Magenta (40%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9873, 0.3218, 0.2518 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 44.9873, 0.3218, 0.2518 by changing the saturation by 10% instead.





 44.9873, 0.3218,  
0.2518

 44.9873, 0.3218,  
0.2518


366.7221, 0.3183,  
0.2880

 31.4474, 0.3224,  
0.2435


 82.7014, 0.3207,  
0.2644

 20.9398, 0.3230,  
0.2332


 107.6443, 0.3203,  
0.2693

 13.0800, 0.3237,  
0.2201


137.1571, 0.3199,  
0.2735

 7.4837, 0.3241,  
0.2031

171.6241, 0.3195,  
0.2772

 3.7664, 0.3240,  
0.1801

211.4297, 0.3191,  
0.2804

 1.5437, 0.3223,  
0.1477

256.9583, 0.3188,

 0.3192, 0.3239,

0.2832

0.0765

308.5943, 0.3185,  
0.2857

0.0000, 0.2083,  
0.0000

0.0000, 0.0000,  
0.0000

44.9873, 0.3218,  
0.2518

44.9873, 0.3218,  
0.2518

38.0747, 0.3250,  
0.2298

53.3566, 0.3188,  
0.2749

32.5290, 0.3283,  
0.2099


63.2537, 0.3160,  
0.2983


28.2600, 0.3315,  
0.1930


74.7520, 0.3135,  
0.3212

25.1639, 0.3347,  
0.1799

87.9189, 0.3113,  
0.3431


 23.1211, 0.3377,  
0.1712

 94.2379, 0.3098,  
0.3513


 21.9860, 0.3403,  
0.1668

 94.3416, 0.3088,  
0.3494

 21.5867, 0.3420,  
0.1657

 94.4463, 0.3078,  
0.3475

 94.5522, 0.3068,  
0.3457

 94.6591, 0.3058,  
0.3438

# Harmonies

## Analogous

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



44.9873, 0.2594, 0.2304



44.9873, 0.3218, 0.2518



44.9873, 0.3881, 0.2894

# Triad

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



44.9873, 0.3218, 0.2518



44.9873, 0.4123, 0.4298



44.9873, 0.2044, 0.3018

# Complementary

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



44.9873, 0.3218, 0.2518



65.9000, 0.3046, 0.4208

# 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.



44.9873, 0.2379, 0.3692



44.9873, 0.3218, 0.2518



44.9873, 0.3573, 0.4498

# Square

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



44.9873, 0.3218, 0.2518



44.9873, 0.4421, 0.3868



44.9873, 0.2933, 0.4287



44.9873, 0.1974, 0.2528



# Rectangle

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



44.9873, 0.3218, 0.2518



44.9873, 0.4225, 0.3204



44.9873, 0.2933, 0.4287



44.9873, 0.2127, 0.3232

# Sweetspot

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



44.9893, 0.3218, 0.2518



84.6676, 0.3151, 0.3062



35.7713, 0.2563, 0.2304



17.6972, 0.3155, 0.3030



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.



44.9893, 0.3218, 0.2518



50.7578, 0.3239, 0.2368



43.1681, 0.3570, 0.2911



14.5947, 0.3150, 0.3076



12.2226, 0.3416, 0.1655



0.9090, 0.3382, 0.1637



# Inverse Universe

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



44.9893, 0.3218, 0.2518



50.7578, 0.3239, 0.2368



67.4115, 0.2832, 0.3708



14.5947, 0.3150, 0.3076



12.2226, 0.3416, 0.1655



0.9090, 0.3382, 0.1637



# Previews

## White Background



This preview shows how the Yxy color 44.9873, 0.3218, 0.2518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

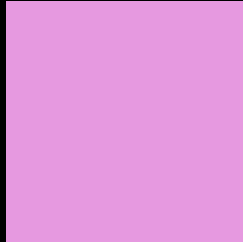
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9873, 0.3218, 0.2518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

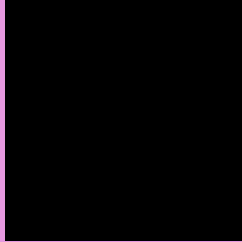
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9873, 0.3218, 0.2518**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9873, 0.3218, 0.2518.



This preview shows how white text looks on a background with the Yxy color 44.9873, 0.3218, 0.2518.

# 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

44.9873, 0.3218, 0.2518

### Protanopia

45.4322, 0.2549, 0.2493

### Deuteranopia

45.0574, 0.2794, 0.2728



## Tritanopia

45.1368, 0.3600, 0.3151

# Trichromacy



## Original Color

44.9873, 0.3218, 0.2518



## Protanomaly

44.4425, 0.2763, 0.2493



## Deuteranomaly

44.5937, 0.2943, 0.2645



## Tritanomaly

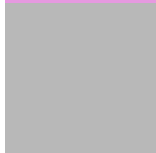
44.8153, 0.3456, 0.2901

# Monochromacy



## Original Color

44.9873, 0.3218, 0.2518



## Achromatopsia

47.9320, 0.3127, 0.3290



## Achromatomaly

46.4282, 0.3160, 0.2973

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9873, 0.3218, 0.2518 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(230, 153, 224)` looks like.

```
.text, #text, p{  
    color:rgb(230, 153, 224)  
}
```

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(230, 153, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 153, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9873, 0.3218, 0.2518 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(230, 153, 224) }
```

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

```
.border{ border-color:rgb(230, 153, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 153, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 153, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 153, 224);  
box-shadow:4px 4px 4px 4px rgb(230, 153,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9873, 0.3218, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 153, 224) }
```

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

```
.background{ background-color: rgb(230,  
153, 224) }
```

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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