

# Converting Colors

$Y_{xy}(16.2087, 0.3768, 0.2635)$

Have a look what the booklet for  
Yxy(16.2087, 0.3768, 0.2635)  
contains.

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**Color**

**Yxy(16.1978, 0.3774, 0.2641)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A8547F
RGB	168, 84, 127
RGB Percent	66%, 33%, 50%
CMY	0.3413, 0.6705, 0.5019
CMYK	0.00, 0.50, 0.24, 0.34
HSL	329°, 33%, 49%
HSV	329°, 50%, 66%
XYZ	23.1467, 16.1978, 21.9875
YIQ	114.0180, 36.2610, 31.1810

# Conversions

## Conversions Part 2

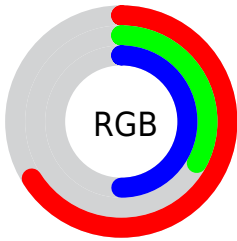
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	168, 84, 127
Decimal	11031679
CIE Lab	47.23, 39.68, -8.31
CIE LCh	47, 40.545, 348.166
Yxy	16.1978, 0.3774, 0.2641
Android (android.graphics.Color)	4289221759 (0xFFA8547F)
YUV	114.0180, 6.4001, 47.3422
Hunter-Lab	40.2465, 32.2283, -4.2189

# Details

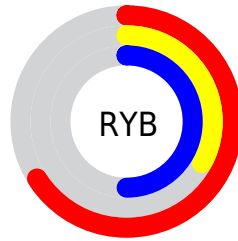
The Yxy color **16.1978, 0.3774, 0.2641** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **31.3640, 0.2772, 0.4071**, and the grayscale version is **16.8066, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9112, 0.3622, 0.2780**, and **5.1485, 0.4038, 0.2381** is the 20% darker color. If you saturate the color by 10%, you get **13.6905, 0.3973, 0.2532**, and if you desaturate by 10%, it is **19.3494, 0.3599, 0.2767**.

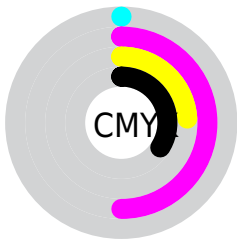
# Distribution



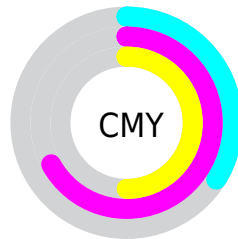
- Red (66%)
- Green (33%)
- Blue (50%)



- Red (66%)
- Yellow (33%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (24%)
- Black (34%)




- Cyan (34%)
- Magenta (67%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 16.1978, 0.3774, 0.2641 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 16.1978, 0.3774, 0.2641 by changing the saturation by 10% instead.





 16.1978, 0.3774,  
0.2641


 16.1978, 0.3774,  
0.2641


230.5061, 0.3403,  
0.3006


 9.6642, 0.3887,  
0.2534


 36.9413, 0.3626,  
0.2784


 5.1769, 0.4047,  
0.2386


 51.9199, 0.3574,  
0.2835


 2.3514, 0.4290,  
0.2167

 70.4824, 0.3532,  
0.2876

 0.8007, 0.4703,  
0.1812

 93.0131, 0.3498,  
0.2911

 0.0000, 0.7322,  
0.0000

 119.8965, 0.3468,  
0.2940

 0.0000, 0.0000,  
0.0000

151.5168, 0.3443,

0.2965

188.2585, 0.3422,  
0.2987

■ 16.1978, 0.3774,  
0.2641

■ 16.1978, 0.3774,  
0.2641

■ 13.6905, 0.3973,  
0.2532

■ 19.3494, 0.3599,  
0.2767

■ 11.7793, 0.4192,  
0.2450

■ 23.1842, 0.3449,  
0.2901

■ 10.4129, 0.4425,  
0.2409


■ 27.7409, 0.3322,  
0.3035

■ 9.5303, 0.4661,  
0.2418

■ 33.0545, 0.3216,  
0.3166


■ 8.9955, 0.4894,  
0.2470

■ 39.1578, 0.3127,  
0.3290

 8.9947, 0.4894,  
0.2470

 46.0817, 0.3054,  
0.3406

 53.8552, 0.2993,  
0.3514

 62.5061, 0.2942,  
0.3613

 72.0608, 0.2900,  
0.3704

# Harmonies

## Analogous

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



16.1978, 0.2948, 0.2263



16.1978, 0.3774, 0.2641



16.1978, 0.4464, 0.3159

# Triad

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



16.1978, 0.3774, 0.2641



16.1978, 0.3890, 0.4720



16.1978, 0.1753, 0.2524

# Complementary

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



16.1978, 0.3774, 0.2641



31.3640, 0.2772, 0.4071

# 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.



16.1978, 0.1932, 0.3210



16.1978, 0.3774, 0.2641



16.1978, 0.3135, 0.4692

# Square

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



16.1978, 0.3774, 0.2641



16.1978, 0.4483, 0.4310



16.1978, 0.2419, 0.4080



16.1978, 0.1871, 0.2160



# Rectangle

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



16.1978, 0.3774, 0.2641



16.1978, 0.4694, 0.3544



16.1978, 0.2419, 0.4080



16.1978, 0.1779, 0.2718

# Sweetspot

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



16.1986, 0.3774, 0.2641



54.7190, 0.3270, 0.3098



13.4998, 0.2632, 0.1907



11.5107, 0.3292, 0.3071



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.1986, 0.3774, 0.2641



24.4098, 0.3996, 0.2521



15.3286, 0.4478, 0.3273



7.6040, 0.3209, 0.3175



6.8046, 0.4873, 0.2458



0.1758, 0.4188, 0.2081



# Inverse Universe

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



16.1986, 0.3774, 0.2641



24.4098, 0.3996, 0.2521



32.6581, 0.2494, 0.3312



7.6040, 0.3209, 0.3175



6.8046, 0.4873, 0.2458

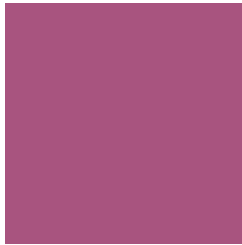


0.1758, 0.4188, 0.2081



# Previews

## White Background



This preview shows how the Yxy color 16.1978, 0.3774, 0.2641 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

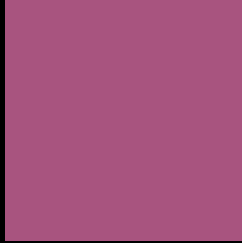
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 16.1978, 0.3774, 0.2641 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

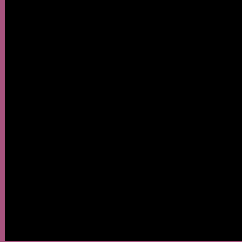
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 16.1978, 0.3774, 0.2641**

## Background



This preview shows how black text looks on a background with the Yxy color 16.1978, 0.3774, 0.2641.



This preview shows how white text looks on a background with the Yxy color 16.1978, 0.3774, 0.2641.

# 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

16.1978, 0.3774, 0.2641

### Protanopia

16.3563, 0.2665, 0.2641

### Deuteranopia

16.2893, 0.3087, 0.3020



## Tritanopia

16.1747, 0.4198, 0.3183

# Trichromacy



## Original Color

16.1978, 0.3774, 0.2641

## Protanomaly

15.6544, 0.3011, 0.2619

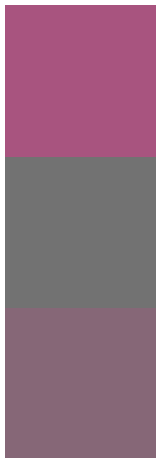
## Deuteranomaly

15.8879, 0.3332, 0.2860

## Tritanomaly

16.1691, 0.4041, 0.2981

# Monochromacy



## Original Color

16.1978, 0.3774, 0.2641

## Achromatopsia

16.8269, 0.3127, 0.3290

## Achromatomaly

16.1007, 0.3353, 0.2997

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 16.1978, 0.3774, 0.2641 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(168, 84, 127)` looks like.

```
.text, #text, p{  
  color:rgb(168, 84, 127)  
}
```

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(168, 84, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 84, 127) }
```

## Border

The CSS property to change the border of an element to Yxy 16.1978, 0.3774, 0.2641 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(168, 84, 127) }
```

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

```
.border{ border-color:rgb(168, 84, 127) }
```

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

Here you see how a box with a 4 pixel rgb(168, 84, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 84, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 84, 127);  
box-shadow:4px 4px 4px 4px rgb(168, 84,  
127) }
```



# Background

The CSS property to change the background color of an element to Yxy 16.1978, 0.3774, 0.2641 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 84, 127) }
```

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

```
.background{ background-color: rgb(168, 84,  
127) }
```

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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