

# Converting Colors

$Y_{xy}(17.2270, 0.4266, 0.2124)$

Have a look what the booklet for  
Yxy(17.2270, 0.4266, 0.2124)  
contains.

<b>Yxy(17.1667, 0.4270, 0.2126)</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(17.1667, 0.4270, 0.2126)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DB0093
RGB	219, 0, 147
RGB Percent	86%, 0%, 58%
CMY	0.1412, 0.9997, 0.4235
CMYK	0.00, 1.00, 0.33, 0.14
HSL	320°, 100%, 43%
HSV	320°, 100%, 86%
XYZ	34.4787, 17.1667, 29.1010
YIQ	82.2390, 83.3370, 92.1450

# Conversions

## Conversions Part 2

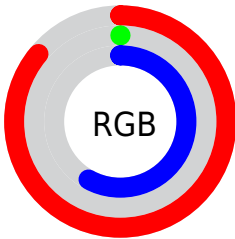
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	219, 0, 147
Decimal	14352531
CIE <sub>Lab</sub>	48.47, 78.71, -17.67
CIE <sub>LCh</sub>	48, 80.669, 347.344
Yxy	17.1667, 0.4270, 0.2126
Android (android.graphics.Color)	4292542611 (0xFFDB0093)
YUV	82.2390, 31.9272, 119.9394
Hunter-Lab	41.4327, 76.0337, -12.6405

# Details

The Yxy color **17.1667, 0.4270, 0.2126** is a dark color, and the websafe version is hex **CC0099**. The color can be described as dark washed rose. A complement of this color would be **51.1294, 0.2873, 0.5543**, and the grayscale version is **8.4203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3057, 0.3770, 0.2254**, and **8.1136, 0.4490, 0.2247** is the 20% darker color. If you saturate the color by 10%, you get **17.1650, 0.4271, 0.2126**, and if you desaturate by 10%, it is **17.9723, 0.4130, 0.2100**.

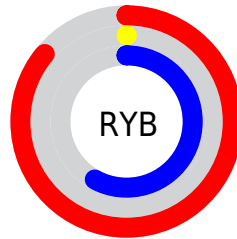
# Distribution



Red (86%)

Green (0%)

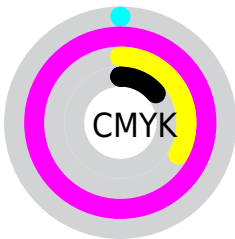
Blue (58%)



Red (86%)

Yellow (0%)

Blue (58%)

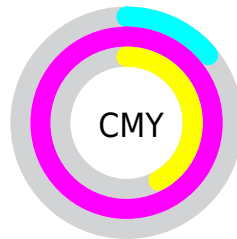


Cyan (0%)

Magenta (100%)

Yellow (33%)

Black (14%)



Cyan (14%)

Magenta (100%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.1667, 0.4270, 0.2126 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 17.1667, 0.4270, 0.2126 by changing the saturation by 10% instead.





 17.1667, 0.4270,  
0.2126


 17.1667, 0.4270,  
0.2126


236.1312, 0.3642,  
0.2740


 10.3534, 0.4446,  
0.1965


 38.6122, 0.4028,  
0.2356


 5.6339, 0.4683,  
0.1755


 54.0131, 0.3941,  
0.2440

 2.6238, 0.5018,  
0.1475

 73.0455, 0.3869,  
0.2511

 0.9386, 0.5518,  
0.1090

 96.0935, 0.3809,  
0.2571

 0.0000, 0.6695,  
0.0000

 123.5418, 0.3758,  
0.2622

 0.0000, 1.0000,  
0.0000

 155.7745, 0.3714,

 0.0000, 0.0000,

0.2667

0.0000

193.1762, 0.3675,  
0.2706

■ 17.1667, 0.4270,  
0.2126

■ 17.1667, 0.4270,  
0.2126

■ 17.1650, 0.4271,  
0.2126

■ 17.9723, 0.4130,  
0.2100

■ 19.4394, 0.3987,  
0.2119

■ 21.7800, 0.3843,  
0.2187

■ 25.1135, 0.3705,  
0.2298

■ 29.5402, 0.3576,  
0.2440

■ 35.1481, 0.3460,  
0.2603

■ 42.0164, 0.3357,  
0.2777

■ 50.2171, 0.3268,  
0.2953

■ 59.8171, 0.3191,  
0.3125

# Harmonies

## Analogous

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



17.1667, 0.2690, 0.1584



17.1667, 0.4270, 0.2126



17.1667, 0.5650, 0.2854

# Triad

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



17.1667, 0.4270, 0.2126



17.1667, 0.4137, 0.5710



17.1667, 0.0909, 0.1845

# Complementary

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



17.1667, 0.4270, 0.2126



51.1294, 0.2873, 0.5543

# 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.



17.1667, 0.1082, 0.3013



17.1667, 0.4270, 0.2126



17.1667, 0.2881, 0.6229

# Square

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



17.1667, 0.4270, 0.2126



17.1667, 0.5286, 0.4622



17.1667, 0.1752, 0.5006



17.1667, 0.1083, 0.1388



# Rectangle

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



17.1667, 0.4270, 0.2126



17.1667, 0.5981, 0.3375



17.1667, 0.1752, 0.5006



17.1667, 0.0923, 0.2134

# Sweetspot

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



17.1677, 0.4270, 0.2126



59.0044, 0.3359, 0.2772



6.3961, 0.1714, 0.0718



11.7038, 0.3402, 0.2697



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.



17.1677, 0.4270, 0.2126



24.2056, 0.4282, 0.2132



15.2157, 0.6139, 0.3156



13.1982, 0.3188, 0.3134



10.1996, 0.4250, 0.2115



0.6764, 0.4039, 0.1998



# Inverse Universe

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



17.1677, 0.4270, 0.2126



24.2056, 0.4282, 0.2132



53.9096, 0.2414, 0.3890



13.1982, 0.3188, 0.3134



10.1996, 0.4250, 0.2115



0.6764, 0.4039, 0.1998



# Previews

## White Background



This preview shows how the Yxy color 17.1667, 0.4270, 0.2126 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 17.1667, 0.4270, 0.2126 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

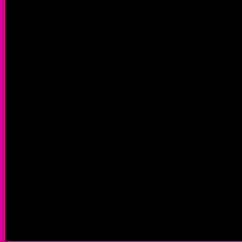
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 17.1667, 0.4270, 0.2126**

## **Background**



This preview shows how black text looks on a background with the Yxy color 17.1667, 0.4270, 0.2126.



This preview shows how white text looks on a background with the Yxy color 17.1667, 0.4270, 0.2126.

# 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

17.1667, 0.4270, 0.2126

### Protanopia

18.0274, 0.1992, 0.1773

### Deuteranopia

17.7627, 0.2924, 0.2863



## Tritanopia

17.4985, 0.5580, 0.3280

# Trichromacy



## Original Color

17.1667, 0.4270, 0.2126



## Protanomaly

12.7129, 0.2447, 0.1571



## Deuteranomaly

13.6567, 0.3389, 0.2235



## Tritanomaly

16.5429, 0.5201, 0.2810

# Monochromacy



## Original Color

17.1667, 0.4270, 0.2126



## Achromatopsia

8.4376, 0.3127, 0.3290



## Achromatomaly

8.4021, 0.3676, 0.2315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.1667, 0.4270, 0.2126 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(219, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 147)  
}
```

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(219, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 17.1667, 0.4270, 0.2126 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(219, 0, 147) }
```

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

```
.border{ border-color:rgb(219, 0, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(219, 0,  
147) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.1667, 0.4270, 0.2126 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 147) }
```

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

```
.background{ background-color: rgb(219, 0,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor