

# Converting Colors

$Y_{xy}(17.1985, 0.4351, 0.2375)$

Have a look what the booklet for  
Yxy(17.1985, 0.4351, 0.2375)  
contains.

<b>Yxy(17.2028, 0.4342, 0.2371)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	12
<i><b>Previews</b></i>	24
<i><b>Color Blindness Simulation</b></i>	27
<i><b>CSS Examples</b></i>	30

**Color**

**Yxy(17.2028, 0.4342, 0.2371)**

# Conversions

Conversions Part 1	
Format	Color
Hex	D12E85
RGB	209, 46, 133
RGB Percent	82%, 18%, 52%
CMY	0.1804, 0.8195, 0.4784
CMYK	0.00, 0.78, 0.36, 0.18
HSL	328°, 64%, 50%
HSV	328°, 78%, 82%
XYZ	31.5034, 17.2028, 23.8488
YIQ	104.6550, 69.2210, 61.6130

# Conversions

## Conversions Part 2

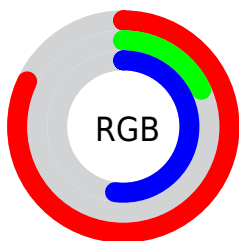
Format	Color
<a href="#">RYB</a>	<a href="#">209, 46, 133</a>
Decimal	<a href="#">13708933</a>
CIELab	<a href="#">48.51, 67.95, -9.33</a>
CIELCh	<a href="#">49, 68.584, 352.184</a>
Yxy	<a href="#">17.2028, 0.4342, 0.2371</a>
Android (android.graphics.Color)	<a href="#">4291899013</a> (0xFFD12E85)
YUV	<a href="#">104.6550, 13.9741, 91.5106</a>
Hunter-Lab	<a href="#">41.4763, 62.9967, -5.0584</a>

# Details

The Yxy color **17.2028, 0.4342, 0.2371** is a dark color, and the websafe version is hex **CC3399**. The color can be described as dark washed rose. A complement of this color would be **47.5846, 0.2712, 0.4703**, and the grayscale version is **13.9797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7424, 0.3921, 0.2522**, and **7.0297, 0.4660, 0.2341** is the 20% darker color. If you saturate the color by 10%, you get **15.6913, 0.4568, 0.2371**, and if you desaturate by 10%, it is **19.5352, 0.4120, 0.2422**.

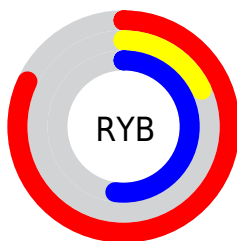
# Distribution



Red (82%)

Green (18%)

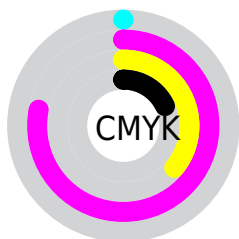
Blue (52%)



Red (82%)

Yellow (18%)

Blue (52%)

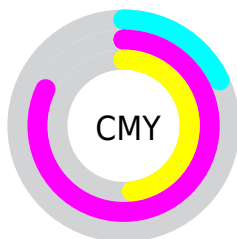


Cyan (0%)

Magenta (78%)

Yellow (36%)

Black (18%)



Cyan (18%)

Magenta (82%)

Yellow (48%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 17.2028, 0.4342, 0.2371 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 17.2028, 0.4342, 0.2371 by changing the saturation by 10% instead.





 17.2028, 0.4342,  
0.2371


 17.2028, 0.4342,  
0.2371


236.3384, 0.3656,  
0.2874


 10.3792, 0.4543,  
0.2231


 38.6741, 0.4072,  
0.2565

 5.6511, 0.4820,  
0.2042


 54.0906, 0.3977,  
0.2634

 2.6341, 0.5225,  
0.1778


 73.1402, 0.3899,  
0.2691

 0.9438, 0.5858,  
0.1390

 96.2073, 0.3834,  
0.2740

 0.0000, 0.7813,  
0.0000

 123.6763, 0.3779,  
0.2781

 0.0000, 1.0000,  
0.0000


155.9315, 0.3732,


 0.0000, 0.0000,


0.2816


0.0000

193.3574, 0.3692,  
0.2847

 17.2028, 0.4342,  
0.2371


 17.2028, 0.4342,  
0.2371


 15.6913, 0.4568,  
0.2371

 19.5352, 0.4120,  
0.2422


 14.8497, 0.4788,  
0.2423

 22.7882, 0.3911,  
0.2512

 14.7137, 0.4833,  
0.2436


 27.0500, 0.3722,  
0.2631


 32.3976, 0.3557,  
0.2766

 38.9006, 0.3415,  
0.2907

 46.6227, 0.3295,  
0.3049

 55.6227, 0.3195,  
0.3186

 65.9558, 0.3112,  
0.3316

 77.6739, 0.3042,  
0.3437

# Harmonies

## Analogous

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



17.2028, 0.2964, 0.1828



17.2028, 0.4342, 0.2371



17.2028, 0.5415, 0.3074

# Triad

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



17.2028, 0.4342, 0.2371



17.2028, 0.3949, 0.5571



17.2028, 0.1126, 0.1937

# Complementary

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



17.2028, 0.4342, 0.2371



47.5846, 0.2712, 0.4703

# 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.



17.2028, 0.1256, 0.2876



17.2028, 0.4342, 0.2371



17.2028, 0.2822, 0.5688

# Square

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



17.2028, 0.4342, 0.2371



17.2028, 0.4965, 0.4731



17.2028, 0.1825, 0.4450



17.2028, 0.1339, 0.1560



# Rectangle

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



17.2028, 0.4342, 0.2371



17.2028, 0.5633, 0.3582



17.2028, 0.1825, 0.4450



17.2028, 0.1128, 0.2175

# Sweetspot

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



17.2037, 0.4342, 0.2371



66.4799, 0.3356, 0.2974



10.5068, 0.2191, 0.1143



13.3146, 0.3402, 0.2922



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.



17.2037, 0.4342, 0.2371



23.6000, 0.4725, 0.2404



15.7784, 0.5725, 0.3233



11.9122, 0.3208, 0.3167



9.0928, 0.4803, 0.2420



0.5244, 0.4432, 0.2215



# Inverse Universe

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



17.2037, 0.4342, 0.2371



23.6000, 0.4725, 0.2404



50.3886, 0.2329, 0.3407



11.9122, 0.3208, 0.3167



9.0928, 0.4803, 0.2420



0.5244, 0.4432, 0.2215



# Previews

## White Background



This preview shows how the Yxy color 17.2028, 0.4342, 0.2371 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

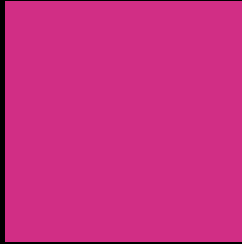
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 17.2028, 0.4342, 0.2371 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

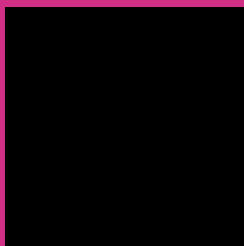
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 17.2028, 0.4342, 0.2371**

## Background



This preview shows how black text looks on a background with the Yxy color 17.2028, 0.4342, 0.2371.



This preview shows how white text looks on a background with the Yxy color 17.2028, 0.4342, 0.2371.

# 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

17.2028, 0.4342, 0.2371

### Protanopia

17.5761, 0.2301, 0.2179

### Deuteranopia

17.5019, 0.3112, 0.3064



## Tritanopia

17.3052, 0.5322, 0.3266

# Trichromacy



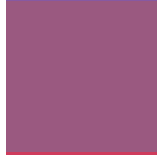
## Original Color

17.2028, 0.4342, 0.2371



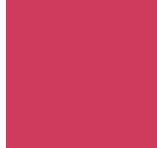
## Protanomaly

14.9043, 0.2829, 0.2099



## Deuteranomaly

15.5733, 0.3543, 0.2653



## Tritanomaly

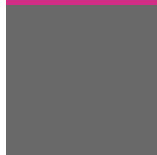
17.0224, 0.5004, 0.2942

# Monochromacy



## Original Color

17.2028, 0.4342, 0.2371



## Achromatopsia

14.1263, 0.3127, 0.3290



## Achromatomaly

13.4181, 0.3598, 0.2744

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 17.2028, 0.4342, 0.2371 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(209, 46, 133) looks like.

```
.text, #text, p{  
    color:rgb(209, 46, 133)  
}
```

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(209, 46, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 46, 133) }
```

## Border

The CSS property to change the border of an element to Yxy 17.2028, 0.4342, 0.2371 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(209, 46, 133) }
```

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

```
.border{ border-color:rgb(209, 46, 133) }
```

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

Here you see how a box with a 4 pixel rgb(209, 46, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 46, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 46, 133);  
box-shadow:4px 4px 4px 4px rgb(209, 46,  
133) }
```



# Background

The CSS property to change the background color of an element to Yxy 17.2028, 0.4342, 0.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 46, 133) }
```

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

```
.background{ background-color: rgb(209, 46,  
133) }
```

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