

Converting Colors

$Y_{xy}(17.3044, 0.4493, 0.2249)$

Have a look what the booklet for
Yxy(17.3044, 0.4493, 0.2249)
contains.

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Color

Yxy(17.3357, 0.4489, 0.2247)

Conversions

Conversions Part 1

Format	Color
Hex	DE0089
RGB	222, 0, 137
RGB Percent	87%, 0%, 54%
CMY	0.1295, 0.9990, 0.4628
CMYK	0.00, 1.00, 0.38, 0.13
HSL	323°, 100%, 44%
HSV	323°, 100%, 87%
XYZ	34.6328, 17.3357, 25.1819
YIQ	81.9960, 88.3350, 89.6710

Conversions

Conversions Part 2

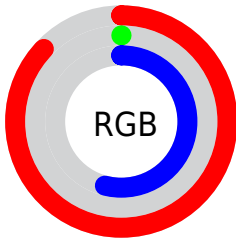
Format	Color
RYB	222, 0, 137
Decimal	14549129
CIELab	48.68, 78.33, -11.25
CIElCh	49, 79.134, 351.829
Yxy	17.3357, 0.4489, 0.2247
Android (android.graphics.Color)	4292739209 (0xFFDE0089)
YUV	81.9960, 27.1170, 122.7835
Hunter-Lab	41.6362, 75.6124, -6.7138

Details

The Yxy color **17.3357, 0.4489, 0.2247** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **52.8902, 0.2832, 0.5394**, and the grayscale version is **8.3973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8064, 0.3905, 0.2353**, and **8.2652, 0.4769, 0.2401** is the 20% darker color. If you saturate the color by 10%, you get **17.3285, 0.4491, 0.2248**, and if you desaturate by 10%, it is **18.1762, 0.4318, 0.2207**.

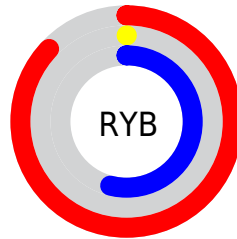
Distribution



Red (87%)

Green (0%)

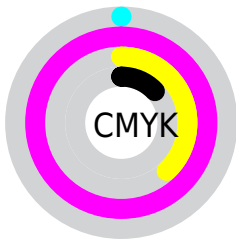
Blue (54%)



Red (87%)

Yellow (0%)

Blue (54%)

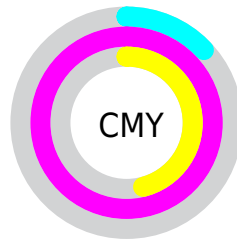


Cyan (0%)

Magenta (100%)

Yellow (38%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.3357, 0.4489, 0.2247 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 17.3357, 0.4489, 0.2247 by changing the saturation by 10% instead.


 17.3357, 0.4489,
0.2247

 17.3357, 0.4489,
0.2247


237.0996, 0.3727,
0.2810


 10.4741, 0.4708,
0.2094


 38.9021, 0.4191,
0.2461

 5.7144, 0.5007,
0.1892


 54.3756, 0.4086,
0.2539


 2.6722, 0.5435,
0.1615


 73.4887, 0.3999,
0.2603

 0.9631, 0.6085,
0.1223

 96.6256, 0.3927,
0.2657

 0.0000, 0.7749,
0.0000

 124.1707, 0.3865,
0.2704

 0.0000, 1.0000,
0.0000

 156.5085, 0.3813,

 0.0000, 0.0000,

0.2744

0.0000

194.0233, 0.3767,
0.2779

■ 17.3357, 0.4489,
0.2247

■ 17.3357, 0.4489,
0.2247

■ 17.3285, 0.4491,
0.2248

■ 18.1762, 0.4318,
0.2207

■ 19.7085, 0.4142,
0.2214

■ 22.1480, 0.3968,
0.2272

■ 25.6180, 0.3801,
0.2372

■ 30.2225, 0.3647,
0.2504

■ 36.0525, 0.3510,
0.2656

■ 43.1898, 0.3390,
0.2817

■ 51.7092, 0.3287,
0.2980

■ 61.6796, 0.3200,
0.3140

Harmonies

Analogous

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



17.3357, 0.2908, 0.1672



17.3357, 0.4489, 0.2247



17.3357, 0.5720, 0.2984

Triad

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



17.3357, 0.4489, 0.2247



17.3357, 0.3949, 0.5806



17.3357, 0.0943, 0.1770

Complementary

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



17.3357, 0.4489, 0.2247



52.8902, 0.2832, 0.5394

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.



17.3357, 0.1061, 0.2795



17.3357, 0.4489, 0.2247



17.3357, 0.2720, 0.6104

Square

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



17.3357, 0.4489, 0.2247



17.3357, 0.5114, 0.4778



17.3357, 0.1647, 0.4662



17.3357, 0.1165, 0.1387

Rectangle

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



17.3357, 0.4489, 0.2247



17.3357, 0.5932, 0.3510



17.3357, 0.1647, 0.4662



17.3357, 0.0942, 0.2021

Sweetspot

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



17.3367, 0.4489, 0.2247



58.7734, 0.3394, 0.2812



7.0517, 0.1783, 0.0756



11.6487, 0.3443, 0.2742



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.



17.3367, 0.4489, 0.2247



23.7031, 0.4503, 0.2254



15.6238, 0.6244, 0.3214



13.8419, 0.3196, 0.3146



10.3178, 0.4467, 0.2234



0.7325, 0.4221, 0.2099

Inverse Universe

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



17.3367, 0.4489, 0.2247



23.7031, 0.4503, 0.2254



56.0546, 0.2366, 0.3718



13.8419, 0.3196, 0.3146



10.3178, 0.4467, 0.2234



0.7325, 0.4221, 0.2099

Previews

White Background



This preview shows how the Yxy color 17.3357, 0.4489, 0.2247 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 17.3357, 0.4489, 0.2247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

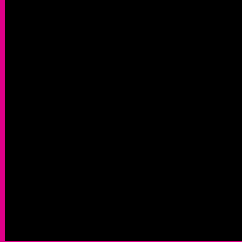
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.3357, 0.4489, 0.2247

Background



This preview shows how black text looks on a background with the Yxy color 17.3357, 0.4489, 0.2247.



This preview shows how white text looks on a background with the Yxy color 17.3357, 0.4489, 0.2247.

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

17.3357, 0.4489, 0.2247

Protanopia

18.1318, 0.2134, 0.1959

Deuteranopia

17.8520, 0.3100, 0.3047



Tritanopia

17.6756, 0.5690, 0.3282

Trichromacy



Original Color

17.3357, 0.4489, 0.2247



Protanomaly

12.9286, 0.2664, 0.1727



Deuteranomaly

13.8774, 0.3623, 0.2397



Tritanomaly

16.8600, 0.5374, 0.2883

Monochromacy



Original Color

17.3357, 0.4489, 0.2247



Achromatopsia

8.4376, 0.3127, 0.3290



Achromatomaly

8.4018, 0.3779, 0.2387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.3357, 0.4489, 0.2247 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(222, 0, 137)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 137)  
}
```

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(222, 0, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 137) }
```

Border

The CSS property to change the border of an element to Yxy 17.3357, 0.4489, 0.2247 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(222, 0, 137) }
```

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

```
.border{ border-color:rgb(222, 0, 137) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 17.3357, 0.4489, 0.2247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 137) }
```

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

```
.background{ background-color: rgb(222, 0,  
137) }
```

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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