

Converting Colors

$Yxy(18.0296, 0.4329, 0.2159)$

Have a look what the booklet for
Yxy(18.0296, 0.4329, 0.2159)
contains.

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Color

Yxy(17.9539, 0.4331, 0.2160)

Conversions

Conversions Part 1

Format	Color
Hex	E00093
RGB	224, 0, 147
RGB Percent	88%, 0%, 58%
CMY	0.1217, 0.9989, 0.4236
CMYK	0.00, 1.00, 0.34, 0.12
HSL	321°, 100%, 44%
HSV	321°, 100%, 88%
XYZ	35.9992, 17.9539, 29.1668
YIQ	83.7340, 86.3170, 93.2050

Conversions

Conversions Part 2

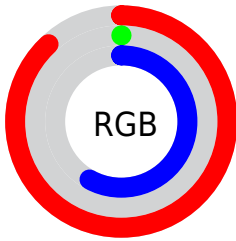
Format	Color
RYB	224, 0, 147
Decimal	14680211
CIELab	49.44, 79.69, -16.10
CIElCh	49, 81.301, 348.580
Yxy	17.9539, 0.4331, 0.2160
Android (android.graphics.Color)	4292870291 (0xFFE00093)
YUV	83.7340, 31.1901, 123.0133
Hunter-Lab	42.3720, 77.5023, -11.1518

Details

The Yxy color **17.9539, 0.4331, 0.2160** 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 **53.8366, 0.2862, 0.5503**, and the grayscale version is **8.7636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.4825, 0.3768, 0.2262**, and **8.6311, 0.4570, 0.2291** is the 20% darker color. If you saturate the color by 10%, you get **17.9456, 0.4333, 0.2161**, and if you desaturate by 10%, it is **18.7991, 0.4182, 0.2129**.

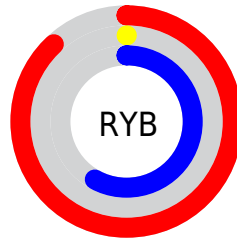
Distribution



Red (88%)

Green (0%)

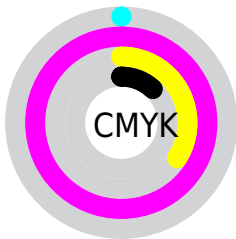
Blue (58%)



Red (88%)

Yellow (0%)

Blue (58%)

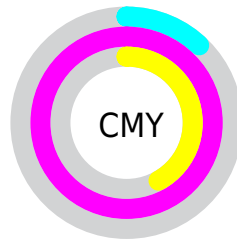


Cyan (0%)

Magenta (100%)

Yellow (34%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.9539, 0.4331, 0.2160 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 17.9539, 0.4331, 0.2160 by changing the saturation by 10% instead.


 17.9539, 0.4331,
0.2160


 17.9539, 0.4331,
0.2160


240.6111, 0.3670,
0.2756


 10.9169, 0.4516,
0.2004


 39.9588, 0.4076,
0.2383


 6.0110, 0.4765,
0.1800


 55.6954, 0.3985,
0.2465

 2.8518, 0.5117,
0.1528

 75.1007, 0.3909,
0.2533

 1.0548, 0.5641,
0.1153

 98.5591, 0.3846,
0.2591

 0.0000, 0.6915,
0.0000

 126.4549, 0.3792,
0.2641

 0.0000, 1.0000,
0.0000

 159.1726, 0.3746,

 0.0000, 0.0000,

0.2684

0.0000

197.0965, 0.3705,
0.2722

■ 17.9539, 0.4331,
0.2160

■ 17.9539, 0.4331,
0.2160

■ 17.9456, 0.4333,
0.2161

■ 18.7991, 0.4182,
0.2129

■ 20.3484, 0.4030,
0.2145

■ 22.8203, 0.3878,
0.2211

■ 26.3408, 0.3732,
0.2319

■ 31.0159, 0.3596,
0.2458

■ 36.9388, 0.3473,
0.2618

■ 44.1930, 0.3366,
0.2789

■ 52.8546, 0.3273,
0.2961

■ 62.9941, 0.3193,
0.3130

Harmonies

Analogous

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



17.9539, 0.2750, 0.1609



17.9539, 0.4331, 0.2160



17.9539, 0.5670, 0.2891

Triad

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



17.9539, 0.4331, 0.2160



17.9539, 0.4083, 0.5735



17.9539, 0.0919, 0.1824

Complementary

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



17.9539, 0.4331, 0.2160



53.8366, 0.2862, 0.5503

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.



17.9539, 0.1077, 0.2951



17.9539, 0.4331, 0.2160



17.9539, 0.2837, 0.6197

Square

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



17.9539, 0.4331, 0.2160



17.9539, 0.5236, 0.4664



17.9539, 0.1723, 0.4909



17.9539, 0.1106, 0.1388

Rectangle

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



17.9539, 0.4331, 0.2160



17.9539, 0.5967, 0.3413



17.9539, 0.1723, 0.4909



17.9539, 0.0929, 0.2102

Sweetspot

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



17.9549, 0.4331, 0.2160



58.9390, 0.3369, 0.2783



6.8761, 0.1735, 0.0730



11.6882, 0.3413, 0.2710



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.



17.9549, 0.4331, 0.2160



24.0589, 0.4343, 0.2166



15.9859, 0.6177, 0.3178



13.8513, 0.3190, 0.3137



10.4712, 0.4311, 0.2149



0.7424, 0.4098, 0.2031

Inverse Universe

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



17.9549, 0.4331, 0.2160



24.0589, 0.4343, 0.2166



56.8716, 0.2398, 0.3832



13.8513, 0.3190, 0.3137



10.4712, 0.4311, 0.2149



0.7424, 0.4098, 0.2031

Previews

White Background



This preview shows how the Yxy color 17.9539, 0.4331, 0.2160 looks on a white background.

Color Contrast Check

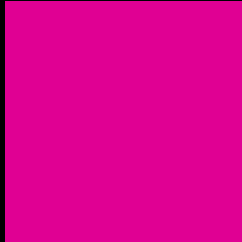
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.9539, 0.4331, 0.2160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

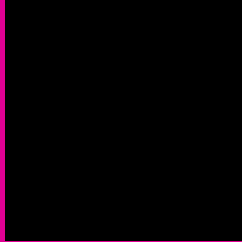
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 17.9539, 0.4331, 0.2160

Background



This preview shows how black text looks on a background with the Yxy color 17.9539, 0.4331, 0.2160.



This preview shows how white text looks on a background with the Yxy color 17.9539, 0.4331, 0.2160.

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

17.9539, 0.4331, 0.2160

Protanopia

18.6804, 0.2025, 0.1813

Deuteranopia

18.5079, 0.2973, 0.2906



Tritanopia

18.2578, 0.5614, 0.3281

Trichromacy



Original Color

17.9539, 0.4331, 0.2160



Protanomaly

13.2312, 0.2505, 0.1607



Deuteranomaly

14.2942, 0.3461, 0.2274



Tritanomaly

17.3115, 0.5247, 0.2829

Monochromacy



Original Color

17.9539, 0.4331, 0.2160



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.8508, 0.3704, 0.2348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.9539, 0.4331, 0.2160 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(224, 0, 147)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 147) }
```

Border

The CSS property to change the border of an element to Yxy 17.9539, 0.4331, 0.2160 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(224, 0, 147) }
```

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

```
.border{ border-color:rgb(224, 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(224, 0, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 17.9539, 0.4331, 0.2160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 147) }
```

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

```
.background{ background-color: rgb(224, 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](#).

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