

Converting Colors

$Y_{xy}(19.5696, 0.4359, 0.2175)$

Have a look what the booklet for
Yxy(19.5696, 0.4359, 0.2175)
contains.

Yxy(19.5580, 0.4367, 0.2180)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.5580, 0.4367, 0.2180)

Conversions

Conversions Part 1

Format	Color
Hex	E90097
RGB	233, 0, 151
RGB Percent	91%, 0%, 59%
CMY	0.0864, 0.9984, 0.4079
CMYK	0.00, 1.00, 0.35, 0.09
HSL	321°, 100%, 46%
HSV	321°, 100%, 91%
XYZ	39.1788, 19.5580, 30.9788
YIQ	86.8810, 90.3970, 96.3570

Conversions

Conversions Part 2

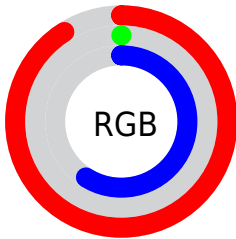
Format	Color
R_{YB}	233, 0, 151
Decimal	15270039
CIE _{Lab}	51.33, 81.88, -15.45
CIE _{LCh}	51, 83.326, 349.315
Yxy	19.5580, 0.4367, 0.2180
Android (android.graphics.Color)	4293460119 (0xFFE90097)
YUV	86.8810, 31.6107, 128.1464
Hunter-Lab	44.2244, 80.7419, -10.5750

Details

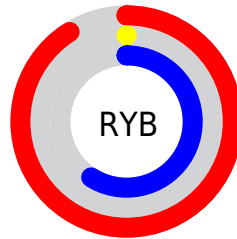
The Yxy color **19.5580, 0.4367, 0.2180** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **58.8723, 0.2857, 0.5484**, and the grayscale version is **9.4702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.0335, 0.3718, 0.2242**, and **9.5780, 0.4593, 0.2304** is the 20% darker color. If you saturate the color by 10%, you get **19.5458, 0.4370, 0.2181**, and if you desaturate by 10%, it is **20.4674, 0.4214, 0.2146**.

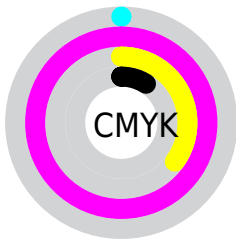
Distribution



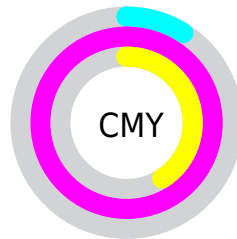
- Red (91%)
- Green (0%)
- Blue (59%)



- Red (91%)
- Yellow (0%)
- Blue (59%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (9%)





- Cyan (9%)
- Magenta (100%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5580, 0.4367, 0.2180 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 19.5580, 0.4367, 0.2180 by changing the saturation by 10% instead.


 19.5580, 0.4367,
0.2180


 19.5580, 0.4367,
0.2180


249.5122, 0.3692,
0.2760


 12.0742, 0.4553,
0.2030


 42.6749, 0.4109,
0.2395


 6.7942, 0.4802,
0.1836


 59.0767, 0.4016,
0.2475


 3.3337, 0.5149,
0.1577


 79.2200, 0.3939,
0.2542

 1.3083, 0.5660,
0.1223

 103.4892, 0.3874,
0.2598

 0.1477, 0.6734,
0.0341

 132.2686, 0.3818,
0.2647

 0.0000, 0.9691,
0.0000

 165.9426, 0.3771,

 0.0000, 1.0000,

0.2690

0.0000

204.8957, 0.3729,
0.2727

■ 0.0000, 0.0000,
0.0000

■ 19.5580, 0.4367,
0.2180

■ 19.5580, 0.4367,
0.2180

■ 19.5458, 0.4370,
0.2181

■ 20.4674, 0.4214,
0.2146

■ 22.1541, 0.4056,
0.2159

■ 24.8527, 0.3899,
0.2222

■ 28.7019, 0.3748,
0.2329

■ 33.8190, 0.3608,
0.2467

■ 40.3065, 0.3482,
0.2626

■ 48.2562, 0.3371,
0.2794

■ 57.7521, 0.3276,
0.2965

■ 68.8718, 0.3194,
0.3133

Harmonies

Analogous

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



19.5580, 0.2786, 0.1623



19.5580, 0.4367, 0.2180



19.5580, 0.5682, 0.2912

Triad

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



19.5580, 0.4367, 0.2180



19.5580, 0.4050, 0.5748



19.5580, 0.0925, 0.1811

Complementary

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



19.5580, 0.4367, 0.2180



58.8723, 0.2857, 0.5484

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.



19.5580, 0.1073, 0.2914



19.5580, 0.4367, 0.2180



19.5580, 0.2810, 0.6176

Square

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



19.5580, 0.4367, 0.2180



19.5580, 0.5203, 0.4686



19.5580, 0.1706, 0.4852



19.5580, 0.1119, 0.1388

Rectangle

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



19.5580, 0.4367, 0.2180



19.5580, 0.5959, 0.3435



19.5580, 0.1706, 0.4852



19.5580, 0.0932, 0.2084

Sweetspot

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



19.5591, 0.4367, 0.2180



58.9034, 0.3374, 0.2789



7.6743, 0.1757, 0.0742



11.6797, 0.3420, 0.2717



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.



19.5591, 0.4367, 0.2180



23.9805, 0.4377, 0.2185



17.4485, 0.6216, 0.3199



15.2184, 0.3192, 0.3139



11.1195, 0.4347, 0.2168



0.8913, 0.4148, 0.2059

Inverse Universe

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



19.5591, 0.4367, 0.2180



23.9805, 0.4377, 0.2185



62.3379, 0.2382, 0.3776



15.2184, 0.3192, 0.3139



11.1195, 0.4347, 0.2168



0.8913, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 19.5580, 0.4367, 0.2180 looks on a white background.

Color Contrast Check

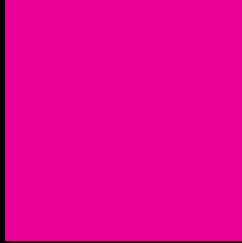
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 19.5580, 0.4367, 0.2180 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 19.5580, 0.4367, 0.2180

Background



This preview shows how black text looks on a background with the Yxy color 19.5580, 0.4367, 0.2180.



This preview shows how white text looks on a background with the Yxy color 19.5580, 0.4367, 0.2180.

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

19.5580, 0.4367, 0.2180

Protanopia

20.3819, 0.2044, 0.1841

Deuteranopia

20.1870, 0.2989, 0.2936



Tritanopia

19.9104, 0.5631, 0.3282

Trichromacy



Original Color

19.5580, 0.4367, 0.2180



Protanomaly

14.3478, 0.2533, 0.1628



Deuteranomaly

15.4591, 0.3481, 0.2291



Tritanomaly

18.8524, 0.5286, 0.2845

Monochromacy



Original Color

19.5580, 0.4367, 0.2180



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5296, 0.3726, 0.2360

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5580, 0.4367, 0.2180 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(233, 0, 151)` looks like.

```
.text, #text, p{  
    color:rgb(233, 0, 151)  
}
```

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(233, 0, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 0, 151) }
```

Border

The CSS property to change the border of an element to Yxy 19.5580, 0.4367, 0.2180 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(233, 0, 151) }
```

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

```
.border{ border-color:rgb(233, 0, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 0, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 0, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 0, 151);  
box-shadow:4px 4px 4px 4px rgb(233, 0,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5580, 0.4367, 0.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 0, 151) }
```

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

```
.background{ background-color: rgb(233, 0,  
151) }
```

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