

Converting Colors

$Y_{xy}(19.9431, 0.4595, 0.2305)$

Have a look what the booklet for
Yxy(19.9431, 0.4595, 0.2305)
contains.

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Color

Yxy(19.9276, 0.4587, 0.2301)

Conversions

Conversions Part 1

Format	Color
Hex	ED008D
RGB	237, 0, 141
RGB Percent	93%, 0%, 55%
CMY	0.0707, 0.9989, 0.4471
CMYK	0.00, 1.00, 0.40, 0.07
HSL	324°, 100%, 47%
HSV	324°, 100%, 93%
XYZ	39.7253, 19.9276, 26.9512
YIQ	86.9370, 95.9910, 94.0950

Conversions

Conversions Part 2

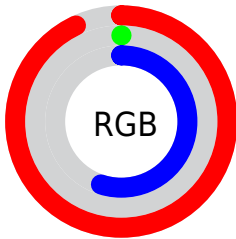
Format	Color
R_{YB}	237, 0, 141
Decimal	15532173
CIE _{Lab}	51.76, 81.79, -8.76
CIE _{LCh}	52, 82.253, 353.890
Yxy	19.9276, 0.4587, 0.2301
Android (android.graphics.Color)	4293722253 (0xFFED008D)
YUV	86.9370, 26.6531, 131.6053
Hunter-Lab	44.6403, 80.7260, -4.5475

Details

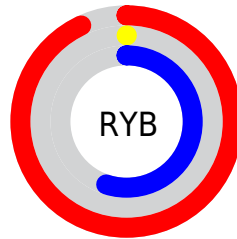
The Yxy color **19.9276, 0.4587, 0.2301** is a dark color, and the websafe version is hex **FF0099**. The color can be described as dark washed rose. A complement of this color would be **61.4024, 0.2816, 0.5336**, and the grayscale version is **9.4793, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5659, 0.3837, 0.2330**, and **9.8693, 0.4867, 0.2455** is the 20% darker color. If you saturate the color by 10%, you get **19.9189, 0.4589, 0.2302**, and if you desaturate by 10%, it is **20.8738, 0.4403, 0.2253**.

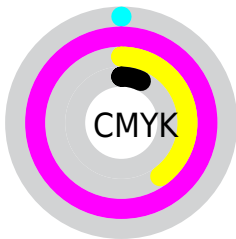
Distribution



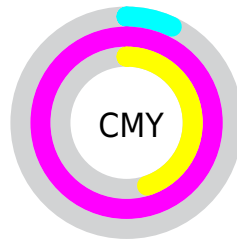
- Red (93%)
- Green (0%)
- Blue (55%)



- Red (93%)
- Yellow (0%)
- Blue (55%)



- Cyan (0%)
- Magenta (100%)
- Yellow (40%)
- Black (7%)




- Cyan (7%)
- Magenta (100%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9276, 0.4587, 0.2301 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 19.9276, 0.4587, 0.2301 by changing the saturation by 10% instead.


 19.9276, 0.4587,
0.2301


 19.9276, 0.4587,
0.2301


251.5229, 0.3782,
0.2830


 12.3424, 0.4813,
0.2159


 43.2958, 0.4276,
0.2501


 6.9773, 0.5117,
0.1973


 59.8476, 0.4165,
0.2573

 3.4479, 0.5546,
0.1720

 80.1570, 0.4073,
0.2634

 1.3698, 0.6181,
0.1363

 104.6085, 0.3996,
0.2685

 0.1943, 0.7477,
0.0482

 133.5864, 0.3930,
0.2729

 0.0000, 1.0000,
0.0000

 167.4752, 0.3874,

 0.0000, 0.0000,

0.2767

0.0000

206.6592, 0.3825,
0.2801

■ 19.9276, 0.4587,
0.2301

■ 19.9276, 0.4587,
0.2301

■ 19.9189, 0.4589,
0.2302

■ 20.8738, 0.4403,
0.2253

■ 22.6333, 0.4213,
0.2253

■ 25.4503, 0.4025,
0.2305

■ 29.4703, 0.3845,
0.2401

■ 34.8158, 0.3680,
0.2528

■ 41.5938, 0.3533,
0.2675

■ 49.9006, 0.3405,
0.2832

■ 59.8239, 0.3296,
0.2990

■ 71.4447, 0.3203,
0.3145

Harmonies

Analogous

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



19.9276, 0.3009, 0.1712



19.9276, 0.4587, 0.2301



19.9276, 0.5749, 0.3042

Triad

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



19.9276, 0.4587, 0.2301



19.9276, 0.3865, 0.5847



19.9276, 0.0958, 0.1737

Complementary

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



19.9276, 0.4587, 0.2301



61.4024, 0.2816, 0.5336

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.



19.9276, 0.1051, 0.2703



19.9276, 0.4587, 0.2301



19.9276, 0.2645, 0.6038

Square

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



19.9276, 0.4587, 0.2301



19.9276, 0.5030, 0.4843



19.9276, 0.1600, 0.4511



19.9276, 0.1202, 0.1385

Rectangle

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



19.9276, 0.4587, 0.2301



19.9276, 0.5908, 0.3571



19.9276, 0.1600, 0.4511



19.9276, 0.0949, 0.1973

Sweetspot

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



19.9288, 0.4587, 0.2301



58.6809, 0.3408, 0.2828



8.5499, 0.1831, 0.0783



11.6267, 0.3460, 0.2761



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.



19.9288, 0.4587, 0.2301



23.5139, 0.4596, 0.2305



18.0715, 0.6304, 0.3247



15.2044, 0.3200, 0.3151



10.9048, 0.4560, 0.2286



0.8753, 0.4322, 0.2155

Inverse Universe

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



19.9288, 0.4587, 0.2301



23.5139, 0.4596, 0.2305



65.3725, 0.2335, 0.3607



15.2044, 0.3200, 0.3151



10.9048, 0.4560, 0.2286



0.8753, 0.4322, 0.2155

Previews

White Background



This preview shows how the Yxy color 19.9276, 0.4587, 0.2301 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 19.9276, 0.4587, 0.2301 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

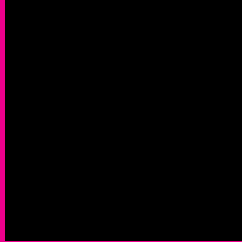
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.9276, 0.4587, 0.2301

Background



This preview shows how black text looks on a background with the Yxy color 19.9276, 0.4587, 0.2301.



This preview shows how white text looks on a background with the Yxy color 19.9276, 0.4587, 0.2301.

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

19.9276, 0.4587, 0.2301

Protanopia

20.5630, 0.2191, 0.2026

Deuteranopia

20.3818, 0.3172, 0.3114



Tritanopia

20.2796, 0.5749, 0.3291

Trichromacy



Original Color

19.9276, 0.4587, 0.2301



Protanomaly

14.8551, 0.2765, 0.1800



Deuteranomaly

15.7150, 0.3708, 0.2446



Tritanomaly

19.4588, 0.5433, 0.2911

Monochromacy



Original Color

19.9276, 0.4587, 0.2301



Achromatopsia

9.5307, 0.3127, 0.3290



Achromatomaly

9.5447, 0.3825, 0.2406

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9276, 0.4587, 0.2301 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(237, 0, 141)` looks like.

```
.text, #text, p{  
  color:rgb(237, 0, 141)  
}
```

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(237, 0, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 141) }
```

Border

The CSS property to change the border of an element to Yxy 19.9276, 0.4587, 0.2301 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(237, 0, 141) }
```

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

```
.border{ border-color:rgb(237, 0, 141) }
```

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

Here you see how a box with a 4 pixel rgb(237, 0, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 141);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9276, 0.4587, 0.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 141) }
```

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

```
.background{ background-color: rgb(237, 0,  
141) }
```

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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