

Converting Colors

$Y_{xy}(20.0187, 0.4359, 0.2226)$

Have a look what the booklet for
Yxy(20.0187, 0.4359, 0.2226)
contains.

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Color

Yxy(19.9706, 0.4357, 0.2226)

Conversions

Conversions Part 1

Format	Color
Hex	E81796
RGB	232, 23, 150
RGB Percent	91%, 9%, 59%
CMY	0.0902, 0.9096, 0.4117
CMYK	0.00, 0.90, 0.35, 0.09
HSL	324°, 82%, 50%
HSV	324°, 90%, 91%
XYZ	39.0889, 19.9706, 30.6557
YIQ	99.9690, 83.7970, 83.8050

Conversions

Conversions Part 2

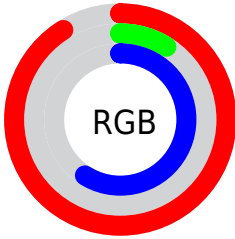
Format	Color
R_{YB}	232, 23, 150
Decimal	15210390
CIE _{Lab}	51.80, 79.57, -14.18
CIE _{LCh}	52, 80.823, 349.896
Yxy	19.9706, 0.4357, 0.2226
Android (android.graphics.Color)	4293400470 (0xFFE81796)
YUV	99.9690, 24.6653, 115.7912
Hunter-Lab	44.6885, 77.9287, -9.3902

Details

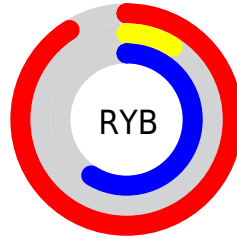
The Yxy color **19.9706, 0.4357, 0.2226** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **58.9112, 0.2792, 0.5179**, and the grayscale version is **12.6637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9270, 0.3722, 0.2289**, and **9.5588, 0.4617, 0.2317** is the 20% darker color. If you saturate the color by 10%, you get **19.0765, 0.4532, 0.2270**, and if you desaturate by 10%, it is **21.6354, 0.4176, 0.2229**.

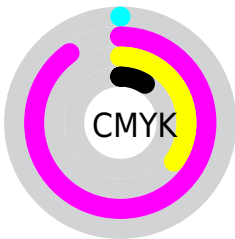
Distribution



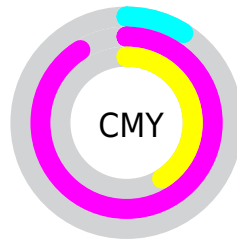
- Red (91%)
- Green (9%)
- Blue (59%)



- Red (91%)
- Yellow (9%)
- Blue (59%)



- Cyan (0%)
- Magenta (90%)
- Yellow (35%)
- Black (9%)




- Cyan (9%)
- Magenta (91%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9706, 0.4357, 0.2226 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 19.9706, 0.4357, 0.2226 by changing the saturation by 10% instead.


 19.9706, 0.4357,
0.2226


 19.9706, 0.4357,
0.2226


251.7559, 0.3687,
0.2783


 12.3737, 0.4542,
0.2081


 43.3679, 0.4100,
0.2434


 6.9987, 0.4790,
0.1892


 59.9370, 0.4008,
0.2510

 3.4613, 0.5138,
0.1640


 80.2657, 0.3931,
0.2574

 1.3770, 0.5652,
0.1291

 104.7383, 0.3867,
0.2629

 0.1997, 0.6701,
0.0461

 133.7393, 0.3812,
0.2676

 0.0000, 0.9969,
0.0000

167.6529, 0.3764,

 0.0000, 1.0000,

0.2716

0.0000

206.8637, 0.3723,
0.2752

■ 0.0000, 0.0000,
0.0000

■ 19.9706, 0.4357,
0.2226

■ 19.9706, 0.4357,
0.2226

■ 19.0765, 0.4532,
0.2270

■ 21.6354, 0.4176,
0.2229

■ 24.3017, 0.3995,
0.2283

■ 28.1090, 0.3823,
0.2381

■ 33.1738, 0.3664,
0.2511

■ 39.5977, 0.3522,
0.2660

■ 47.4723, 0.3398,
0.2820

■ 56.8809, 0.3292,
0.2981

■ 67.9005, 0.3203,
0.3139

■ 80.6030, 0.3128,
0.3289

Harmonies

Analogous

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



19.9706, 0.2827, 0.1673



19.9706, 0.4357, 0.2226



19.9706, 0.5612, 0.2951

Triad

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



19.9706, 0.4357, 0.2226



19.9706, 0.4030, 0.5704



19.9706, 0.0974, 0.1846

Complementary

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



19.9706, 0.4357, 0.2226



58.9112, 0.2792, 0.5179

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.



19.9706, 0.1120, 0.2909



19.9706, 0.4357, 0.2226



19.9706, 0.2821, 0.6054

Square

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



19.9706, 0.4357, 0.2226



19.9706, 0.5144, 0.4695



19.9706, 0.1740, 0.4750



19.9706, 0.1172, 0.1431

Rectangle

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



19.9706, 0.4357, 0.2226



19.9706, 0.5877, 0.3471



19.9706, 0.1740, 0.4750



19.9706, 0.0981, 0.2110

Sweetspot

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



19.9717, 0.4357, 0.2226



62.0418, 0.3366, 0.2867



9.3328, 0.1916, 0.0873



12.4770, 0.3404, 0.2812



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.



19.9717, 0.4357, 0.2226



23.6250, 0.4541, 0.2275



17.9779, 0.6037, 0.3182



14.5144, 0.3198, 0.3148



10.6169, 0.4505, 0.2255



0.8027, 0.4265, 0.2123

Inverse Universe

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



19.9717, 0.4357, 0.2226



23.6250, 0.4541, 0.2275



62.4258, 0.2353, 0.3623



14.5144, 0.3198, 0.3148



10.6169, 0.4505, 0.2255



0.8027, 0.4265, 0.2123

Previews

White Background



This preview shows how the Yxy color 19.9706, 0.4357, 0.2226 looks on a white background.

Color Contrast Check

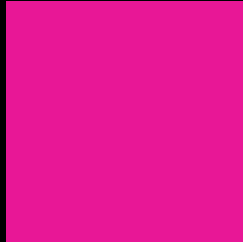
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9706, 0.4357, 0.2226 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 19.9706, 0.4357, 0.2226

Background



This preview shows how black text looks on a background with the Yxy color 19.9706, 0.4357, 0.2226.



This preview shows how white text looks on a background with the Yxy color 19.9706, 0.4357, 0.2226.

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

19.9706, 0.4357, 0.2226

Protanopia

20.6510, 0.2092, 0.1905

Deuteranopia

20.2353, 0.3011, 0.2955



Tritanopia

19.9957, 0.5571, 0.3272

Trichromacy



Original Color

19.9706, 0.4357, 0.2226



Protanomaly

15.8187, 0.2604, 0.1778



Deuteranomaly

16.6176, 0.3482, 0.2410



Tritanomaly

19.4524, 0.5203, 0.2878

Monochromacy



Original Color

19.9706, 0.4357, 0.2226



Achromatopsia

12.7438, 0.3127, 0.3290



Achromatomaly

12.2386, 0.3662, 0.2518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9706, 0.4357, 0.2226 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(232, 23, 150)` looks like.

```
.text, #text, p{  
    color:rgb(232, 23, 150)  
}
```

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(232, 23, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 23, 150) }
```

Border

The CSS property to change the border of an element to Yxy 19.9706, 0.4357, 0.2226 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(232, 23, 150) }
```

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

```
.border{ border-color:rgb(232, 23, 150) }
```

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

Here you see how a box with a 4 pixel rgb(232, 23, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 23, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 23, 150);  
box-shadow:4px 4px 4px 4px rgb(232, 23,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9706, 0.4357, 0.2226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 23, 150) }
```

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

```
.background{ background-color: rgb(232, 23,  
150) }
```

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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