

Converting Colors

$Y_{xy}(20.0007, 0.4620, 0.2328)$

Have a look what the booklet for
Yxy(20.0007, 0.4620, 0.2328)
contains.

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Color

Yxy(19.9771, 0.4619, 0.2328)

Conversions

Conversions Part 1

Format	Color
Hex	ED058B
RGB	237, 5, 139
RGB Percent	93%, 2%, 55%
CMY	0.0706, 0.9798, 0.4548
CMYK	0.00, 0.98, 0.41, 0.07
HSL	325°, 96%, 47%
HSV	325°, 98%, 93%
XYZ	39.6367, 19.9771, 26.1985
YIQ	89.6440, 95.2580, 90.8580

Conversions

Conversions Part 2

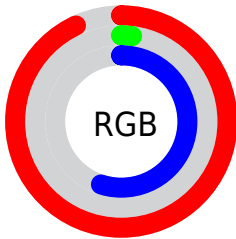
Format	Color
R_{YB}	237, 5, 139
Decimal	15533451
CIE _{Lab}	51.81, 81.27, -7.48
CIE _{LCh}	52, 81.610, 354.742
Yxy	19.9771, 0.4619, 0.2328
Android (android.graphics.Color)	4293723531 (0xFFED058B)
YUV	89.6440, 24.3325, 129.2312
Hunter-Lab	44.6957, 80.0783, -3.4659

Details

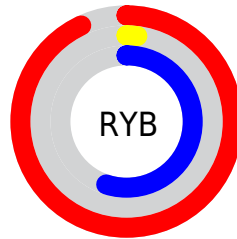
The Yxy color **19.9771, 0.4619, 0.2328** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **61.5747, 0.2794, 0.5245**, and the grayscale version is **10.0891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.6152, 0.3873, 0.2366**, and **9.8352, 0.4915, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **19.8035, 0.4661, 0.2341**, and if you desaturate by 10%, it is **21.0441, 0.4424, 0.2283**.

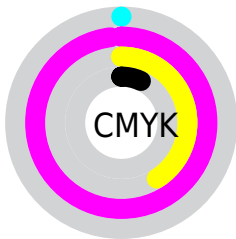
Distribution



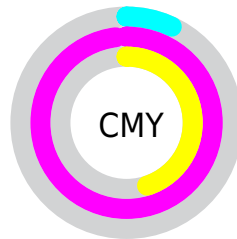
- Red (93%)
- Green (2%)
- Blue (55%)



- Red (93%)
- Yellow (2%)
- Blue (55%)



- Cyan (0%)
- Magenta (98%)
- Yellow (41%)
- Black (7%)




- Cyan (7%)
- Magenta (98%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9771, 0.4619, 0.2328 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 19.9771, 0.4619, 0.2328 by changing the saturation by 10% instead.


 19.9771, 0.4619,
0.2328


 19.9771, 0.4619,
0.2328


251.7911, 0.3794,
0.2845


 12.3784, 0.4851,
0.2188


 43.3788, 0.4300,
0.2524


 7.0019, 0.5164,
0.2004


 59.9506, 0.4186,
0.2595

 3.4633, 0.5605,
0.1752

 80.2822, 0.4092,
0.2655

 1.3781, 0.6261,
0.1394

 104.7580, 0.4013,
0.2705

 0.2005, 0.7612,
0.0509

 133.7624, 0.3946,
0.2747

 0.0000, 1.0000,
0.0000

 167.6798, 0.3888,

 0.0000, 0.0000,

0.2785

0.0000

206.8945, 0.3838,
0.2817

■ 19.9771, 0.4619,
0.2328

■ 19.9771, 0.4619,
0.2328

■ 19.8035, 0.4661,
0.2341

■ 21.0441, 0.4424,
0.2283

■ 23.0117, 0.4223,
0.2290

■ 26.0714, 0.4026,
0.2349

■ 30.3630, 0.3839,
0.2448

■ 36.0056, 0.3670,
0.2577

■ 43.1036, 0.3520,
0.2723

■ 51.7517, 0.3391,
0.2876

■ 62.0359, 0.3281,
0.3030

■ 74.0364, 0.3189,
0.3179

Harmonies

Analogous

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



19.9771, 0.3052, 0.1734



19.9771, 0.4619, 0.2328



19.9771, 0.5746, 0.3069

Triad

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



19.9771, 0.4619, 0.2328



19.9771, 0.3833, 0.5854



19.9771, 0.0971, 0.1732

Complementary

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



19.9771, 0.4619, 0.2328



61.5747, 0.2794, 0.5245

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.



19.9771, 0.1056, 0.2671



19.9771, 0.4619, 0.2328



19.9771, 0.2620, 0.5991

Square

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



19.9771, 0.4619, 0.2328



19.9771, 0.4993, 0.4870



19.9771, 0.1589, 0.4443



19.9771, 0.1224, 0.1392

Rectangle

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



19.9771, 0.4619, 0.2328



19.9771, 0.5886, 0.3599



19.9771, 0.1589, 0.4443



19.9771, 0.0960, 0.1960

Sweetspot

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



19.9783, 0.4619, 0.2328



59.6963, 0.3406, 0.2856



9.0354, 0.1880, 0.0817



11.8144, 0.3460, 0.2790



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.



19.9783, 0.4619, 0.2328



23.3742, 0.4668, 0.2345



18.1817, 0.6290, 0.3254



15.1999, 0.3203, 0.3155



10.8403, 0.4631, 0.2325



0.8704, 0.4380, 0.2186

Inverse Universe

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



19.9783, 0.4619, 0.2328



23.3742, 0.4668, 0.2345



65.6375, 0.2321, 0.3546



15.1999, 0.3203, 0.3155



10.8403, 0.4631, 0.2325



0.8704, 0.4380, 0.2186

Previews

White Background



This preview shows how the Yxy color 19.9771, 0.4619, 0.2328 looks on a white background.

Color Contrast Check

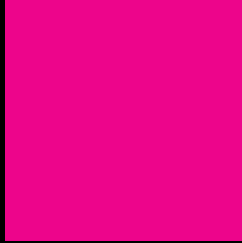
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.9771, 0.4619, 0.2328 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 19.9771, 0.4619, 0.2328

Background



This preview shows how black text looks on a background with the Yxy color 19.9771, 0.4619, 0.2328.



This preview shows how white text looks on a background with the Yxy color 19.9771, 0.4619, 0.2328.

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

19.9771, 0.4619, 0.2328

Protanopia

20.5221, 0.2209, 0.2051

Deuteranopia

20.4106, 0.3208, 0.3149



Tritanopia

20.1836, 0.5756, 0.3284

Trichromacy



Original Color

19.9771, 0.4619, 0.2328



Protanomaly

15.1547, 0.2800, 0.1850



Deuteranomaly

16.0561, 0.3750, 0.2504



Tritanomaly

19.5037, 0.5446, 0.2925

Monochromacy



Original Color

19.9771, 0.4619, 0.2328



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.0503, 0.3809, 0.2454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9771, 0.4619, 0.2328 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, 5, 139)` looks like.

```
.text, #text, p{  
    color:rgb(237, 5, 139)  
}
```

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, 5, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 5, 139) }
```

Border

The CSS property to change the border of an element to Yxy 19.9771, 0.4619, 0.2328 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, 5, 139) }
```

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

```
.border{ border-color:rgb(237, 5, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 5, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 5, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 5, 139);  
box-shadow:4px 4px 4px 4px rgb(237, 5,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9771, 0.4619, 0.2328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 5, 139) }
```

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

```
.background{ background-color: rgb(237, 5,  
139) }
```

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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