

Converting Colors

$Yxy(19.5141, 0.4777, 0.2431)$

Have a look what the booklet for
Yxy(19.5141, 0.4777, 0.2431)
contains.

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Color

Yxy(19.5101, 0.4772, 0.2427)

Conversions

Conversions Part 1

Format	Color
Hex	EB0C81
RGB	235, 12, 129
RGB Percent	92%, 5%, 51%
CMY	0.0783, 0.9534, 0.4941
CMYK	0.00, 0.95, 0.45, 0.08
HSL	329°, 90%, 48%
HSV	329°, 95%, 92%
XYZ	38.3610, 19.5101, 22.5166
YIQ	92.0150, 95.3510, 83.6630

Conversions

Conversions Part 2

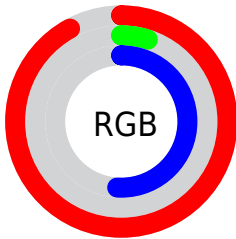
Format	Color
R_{YB}	235, 12, 129
Decimal	15404161
CIE _{Lab}	51.28, 79.51, -2.27
CIE _{LCh}	51, 79.543, 358.363
Yxy	19.5101, 0.4772, 0.2427
Android (android.graphics.Color)	4293594241 (0xFFEB0C81)
YUV	92.0150, 18.2336, 125.3978
Hunter-Lab	44.1702, 77.7260, 0.6950

Details

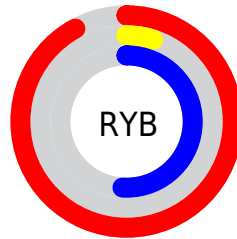
The Yxy color **19.5101, 0.4772, 0.2427** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark washed rose. A complement of this color would be **60.8122, 0.2737, 0.5024**, and the grayscale version is **10.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.3728, 0.3996, 0.2467**, and **9.4634, 0.5108, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **19.1053, 0.4885, 0.2464**, and if you desaturate by 10%, it is **20.7892, 0.4543, 0.2384**.

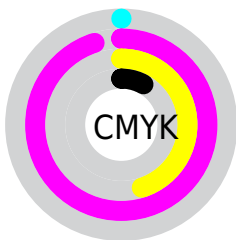
Distribution



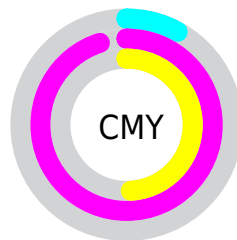
- Red (92%)
- Green (5%)
- Blue (51%)



- Red (92%)
- Yellow (5%)
- Blue (51%)



- Cyan (0%)
- Magenta (95%)
- Yellow (45%)
- Black (8%)





- Cyan (8%)
- Magenta (95%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5101, 0.4772, 0.2427 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 19.5101, 0.4772, 0.2427 by changing the saturation by 10% instead.


 19.5101, 0.4772,
0.2427


 19.5101, 0.4772,
0.2427


249.2505, 0.3851,
0.2905


 12.0394, 0.5035,
0.2293

 42.5943, 0.4413,
0.2612

 6.7705, 0.5392,
0.2111


 58.9766, 0.4286,
0.2678


 3.3190, 0.5897,
0.1858

 79.0983, 0.4181,
0.2733

 1.3005, 0.6651,
0.1486

 103.3437, 0.4093,
0.2778

 0.1416, 0.8593,
0.0438

 132.0972, 0.4019,
0.2817

 0.0000, 1.0000,
0.0000

 165.7432, 0.3955,

 0.0000, 0.0000,

0.2851

0.0000

204.6662, 0.3900,
0.2880

■ 19.5101, 0.4772,
0.2427

■ 19.5101, 0.4772,
0.2427

■ 19.1053, 0.4885,
0.2464

■ 20.7892, 0.4543,
0.2384

■ 23.0272, 0.4310,
0.2395

■ 26.3853, 0.4083,
0.2455

■ 30.9938, 0.3873,
0.2553

■ 36.9649, 0.3685,
0.2676

■ 44.3983, 0.3522,
0.2812

■ 53.3841, 0.3383,
0.2953

■ 64.0054, 0.3266,
0.3093

■ 76.3389, 0.3169,
0.3227

Harmonies

Analogous

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



19.5101, 0.3231, 0.1811



19.5101, 0.4772, 0.2427



19.5101, 0.5768, 0.3173

Triad

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



19.5101, 0.4772, 0.2427



19.5101, 0.3693, 0.5906



19.5101, 0.1007, 0.1689

Complementary

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



19.5101, 0.4772, 0.2427



60.8122, 0.2737, 0.5024

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.



19.5101, 0.1050, 0.2530



19.5101, 0.4772, 0.2427



19.5101, 0.2497, 0.5835

Square

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



19.5101, 0.4772, 0.2427



19.5101, 0.4853, 0.4988



19.5101, 0.1521, 0.4185



19.5101, 0.1300, 0.1400

Rectangle

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



19.5101, 0.4772, 0.2427



19.5101, 0.5824, 0.3708



19.5101, 0.1521, 0.4185



19.5101, 0.0983, 0.1891

Sweetspot

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



19.5112, 0.4772, 0.2427



60.5997, 0.3425, 0.2908



9.9732, 0.2000, 0.0893



11.9740, 0.3485, 0.2847



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.



19.5112, 0.4772, 0.2427



22.9772, 0.4894, 0.2469



17.9741, 0.6302, 0.3282



15.1862, 0.3211, 0.3167



10.6567, 0.4851, 0.2446



0.8562, 0.4561, 0.2286

Inverse Universe

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



19.5112, 0.4772, 0.2427



22.9772, 0.4894, 0.2469



65.0852, 0.2279, 0.3386



15.1862, 0.3211, 0.3167



10.6567, 0.4851, 0.2446



0.8562, 0.4561, 0.2286

Previews

White Background



This preview shows how the Yxy color 19.5101, 0.4772, 0.2427 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 19.5101, 0.4772, 0.2427 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 19.5101, 0.4772, 0.2427

Background



This preview shows how black text looks on a background with the Yxy color 19.5101, 0.4772, 0.2427.



This preview shows how white text looks on a background with the Yxy color 19.5101, 0.4772, 0.2427.

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

19.5101, 0.4772, 0.2427

Protanopia

19.9442, 0.2341, 0.2227

Deuteranopia

19.8439, 0.3357, 0.3291



Tritanopia

19.7019, 0.5818, 0.3291

Trichromacy



Original Color

19.5101, 0.4772, 0.2427



Protanomaly

15.0855, 0.2986, 0.2019



Deuteranomaly

16.0516, 0.3925, 0.2661



Tritanomaly

19.0730, 0.5527, 0.2976

Monochromacy



Original Color

19.5101, 0.4772, 0.2427



Achromatopsia

10.7023, 0.3127, 0.3290



Achromatomaly

10.5042, 0.3871, 0.2569

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5101, 0.4772, 0.2427 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(235, 12, 129)` looks like.

```
.text, #text, p{  
    color:rgb(235, 12, 129)  
}
```

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(235, 12, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 12, 129) }
```

Border

The CSS property to change the border of an element to Yxy 19.5101, 0.4772, 0.2427 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(235, 12, 129) }
```

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

```
.border{ border-color:rgb(235, 12, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 12, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 12, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 12, 129);  
box-shadow:4px 4px 4px 4px rgb(235, 12,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5101, 0.4772, 0.2427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 12, 129) }
```

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

```
.background{ background-color: rgb(235, 12,  
129) }
```

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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