

Converting Colors

$Yxy(18.8406, 0.5406, 0.2681)$

Have a look what the booklet for
Yxy(18.8406, 0.5406, 0.2681)
contains.

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Color

Yxy(19.4261, 0.5367, 0.2730)

Conversions

Conversions Part 1

Format	Color
Hex	F00063
RGB	240, 0, 99
RGB Percent	94%, 0%, 39%
CMY	0.0588, 1.0000, 0.6118
CMYK	0.00, 1.00, 0.59, 0.06
HSL	335°, 100%, 47%
HSV	335°, 100%, 94%
XYZ	38.1904, 19.4261, 13.5413
YIQ	83.0460, 111.2610, 81.6690

Conversions

Conversions Part 2

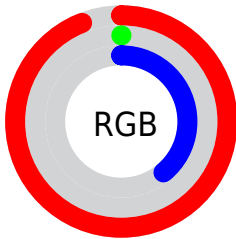
Format	Color
RYB	240, 0, 99
Decimal	15728739
CIELab	51.18, 79.38, 16.00
CIELCh	51, 80.975, 11.396
Yxy	19.4261, 0.5367, 0.2730
Android (android.graphics.Color)	4293918819 (0xFFFF0063)
YUV	83.0460, 7.8653, 137.6487
Hunter-Lab	44.0750, 77.5365, 12.6366

Details

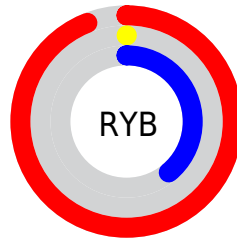
The Yxy color **19.4261, 0.5367, 0.2730** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **64.2505, 0.2646, 0.4727**, and the grayscale version is **8.6273, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6143, 0.4443, 0.2768**, and **9.4871, 0.5750, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **19.4282, 0.5367, 0.2730**, and if you desaturate by 10%, it is **20.3752, 0.5088, 0.2641**.

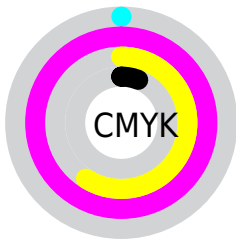
Distribution



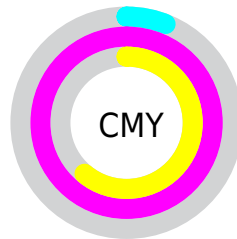
- Red (94%)
- Green (0%)
- Blue (39%)



- Red (94%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.4261, 0.5367, 0.2730 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 19.4261, 0.5367, 0.2730 by changing the saturation by 10% instead.


 19.4261, 0.5367,
0.2730


 19.4261, 0.5367,
0.2730

248.7911, 0.4100,
0.3094


 11.9786, 0.5725,
0.2607


 42.4529, 0.4873,
0.2885


 6.7291, 0.6202,
0.2428


 58.8009, 0.4697,
0.2937

 3.2933, 0.6852,
0.2156

 78.8846, 0.4553,
0.2977

 1.2867, 0.7920,
0.1765

 103.0883, 0.4432,
0.3010

 0.1309, 0.9545,
0.0455

 131.7964, 0.4330,
0.3036

 0.0000, 1.0000,
0.0000

 165.3933, 0.4242,

 0.0000, 0.0000,

0.3059

0.0000

204.2634, 0.4166,
0.3078

■ 19.4261, 0.5367,
0.2730

■ 19.4261, 0.5367,
0.2730

■ 19.4282, 0.5367,
0.2730

■ 20.3752, 0.5088,
0.2641

■ 22.1790, 0.4788,
0.2600

■ 25.0947, 0.4485,
0.2612

■ 29.2741, 0.4198,
0.2667

■ 34.8453, 0.3939,
0.2753

■ 41.9202, 0.3714,
0.2856

■ 50.5994, 0.3524,
0.2967

■ 60.9746, 0.3365,
0.3079

■ 73.1306, 0.3235,
0.3187

Harmonies

Analogous

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



19.4261, 0.3914, 0.2034



19.4261, 0.5367, 0.2730



19.4261, 0.5900, 0.3506

Triad

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



19.4261, 0.5367, 0.2730



19.4261, 0.3154, 0.6128



19.4261, 0.1068, 0.1488

Complementary

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



19.4261, 0.5367, 0.2730



64.2505, 0.2646, 0.4727

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.



19.4261, 0.0962, 0.2052



19.4261, 0.5367, 0.2730



19.4261, 0.1999, 0.5296

Square

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



19.4261, 0.5367, 0.2730



19.4261, 0.4372, 0.5454



19.4261, 0.1224, 0.3368



19.4261, 0.1524, 0.1364

Rectangle

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



19.4261, 0.5367, 0.2730



19.4261, 0.5659, 0.4084



19.4261, 0.1224, 0.3368



19.4261, 0.0997, 0.1615

Sweetspot

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



19.4282, 0.5367, 0.2730



57.9560, 0.3526, 0.2966



11.8680, 0.2180, 0.0975



11.4554, 0.3602, 0.2918



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.



19.4282, 0.5367, 0.2730



22.2837, 0.5375, 0.2735



19.0277, 0.6351, 0.3339



15.8670, 0.3228, 0.3193



10.6591, 0.5326, 0.2708



0.9061, 0.4983, 0.2519

Inverse Universe

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



19.4282, 0.5367, 0.2730



22.2837, 0.5375, 0.2735



57.4840, 0.2173, 0.3023



15.8670, 0.3228, 0.3193



10.6591, 0.5326, 0.2708



0.9061, 0.4983, 0.2519

Previews

White Background



This preview shows how the Yxy color 19.4261, 0.5367, 0.2730 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 19.4261, 0.5367, 0.2730 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 19.4261, 0.5367, 0.2730

Background



This preview shows how black text looks on a background with the Yxy color 19.4261, 0.5367, 0.2730.

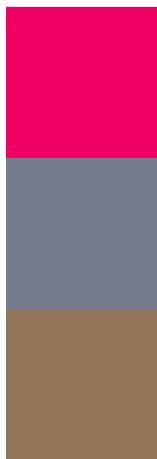


This preview shows how white text looks on a background with the Yxy color 19.4261, 0.5367, 0.2730.

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

19.4261, 0.5367, 0.2730

Protanopia

20.1015, 0.2857, 0.2911

Deuteranopia

19.8812, 0.3876, 0.3793



Tritanopia

19.8347, 0.6067, 0.3309

Trichromacy



Original Color

19.4261, 0.5367, 0.2730



Protanomaly

14.7938, 0.3704, 0.2522



Deuteranomaly

15.6462, 0.4588, 0.3048



Tritanomaly

19.3722, 0.5909, 0.3114

Monochromacy



Original Color

19.4261, 0.5367, 0.2730



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

8.8429, 0.4189, 0.2667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.4261, 0.5367, 0.2730 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(240, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 99)  
}
```

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(240, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 99) }
```

Border

The CSS property to change the border of an element to Yxy 19.4261, 0.5367, 0.2730 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(240, 0, 99) }
```

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

```
.border{ border-color:rgb(240, 0, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 0, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 99)  
}
```


Background

The CSS property to change the background color of an element to Yxy 19.4261, 0.5367, 0.2730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 99) }
```

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

```
.background{ background-color: rgb(240, 0,  
99) }
```

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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