

Converting Colors

$Y_{xy}(19.9190, 0.5299, 0.2693)$

Have a look what the booklet for
Yxy(19.9190, 0.5299, 0.2693)
contains.

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Color

Yxy(19.8767, 0.5296, 0.2691)

Conversions

Conversions Part 1

Format	Color
Hex	F20068
RGB	242, 0, 104
RGB Percent	95%, 0%, 41%
CMY	0.0510, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.57, 0.05
HSL	334°, 100%, 47%
HSV	334°, 100%, 95%
XYZ	39.1182, 19.8767, 14.8687
YIQ	84.2140, 110.8480, 83.6480

Conversions

Conversions Part 2

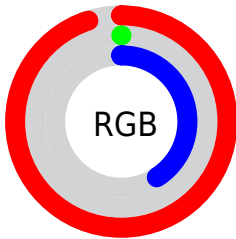
Format	Color
R_{YB}	242, 0, 104
Decimal	15859816
CIE _{Lab}	51.70, 80.12, 13.73
CIE _{LCh}	52, 81.288, 9.723
Yxy	19.8767, 0.5296, 0.2691
Android (android.graphics.Color)	4294049896 (0xFFFF20068)
YUV	84.2140, 9.7545, 138.3783
Hunter-Lab	44.5833, 78.5983, 11.4348

Details

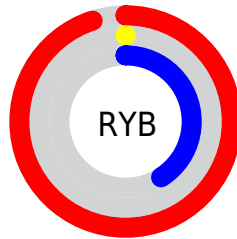
The Yxy color **19.8767, 0.5296, 0.2691** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **65.3442, 0.2664, 0.4789**, and the grayscale version is **8.8752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9923, 0.4358, 0.2716**, and **9.7705, 0.5662, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **19.8777, 0.5296, 0.2691**, and if you desaturate by 10%, it is **20.8434, 0.5024, 0.2604**.

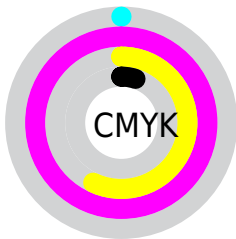
Distribution



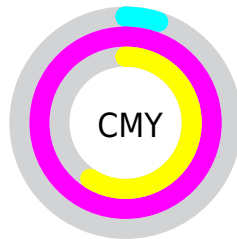
- Red (95%)
- Green (0%)
- Blue (41%)



- Red (95%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (5%)




- Cyan (5%)
- Magenta (100%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8767, 0.5296, 0.2691 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 19.8767, 0.5296, 0.2691 by changing the saturation by 10% instead.


 19.8767, 0.5296,
0.2691


 19.8767, 0.5296,
0.2691


251.2468, 0.4073,
0.3068


 12.3054, 0.5641,
0.2568


 43.2104, 0.4820,
0.2849

 6.9521, 0.6102,
0.2392


 59.7416, 0.4650,
0.2902


 3.4321, 0.6734,
0.2129

 80.0282, 0.4511,
0.2944

 1.3613, 0.7692,
0.1734

 104.4547, 0.4394,
0.2978

 0.1879, 0.9393,
0.0607

 133.4054, 0.4295,
0.3006

 0.0000, 1.0000,
0.0000

 167.2647, 0.4211,

 0.0000, 0.0000,

0.3030

0.0000

206.4171, 0.4137,
0.3050

■ 19.8767, 0.5296,
0.2691

■ 19.8767, 0.5296,
0.2691

■ 19.8777, 0.5296,
0.2691

■ 20.8434, 0.5024,
0.2604

■ 22.6807, 0.4734,
0.2567

■ 25.6488, 0.4441,
0.2582

■ 29.9026, 0.4164,
0.2641

■ 35.5726, 0.3915,
0.2730

■ 42.7729, 0.3697,
0.2838

■ 51.6059, 0.3513,
0.2954

■ 62.1652, 0.3359,
0.3070

■ 74.5369, 0.3232,
0.3183

Harmonies

Analogous

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



19.8767, 0.3822, 0.2004



19.8767, 0.5296, 0.2691



19.8767, 0.5893, 0.3463

Triad

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



19.8767, 0.5296, 0.2691



19.8767, 0.3225, 0.6109



19.8767, 0.1059, 0.1510

Complementary

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



19.8767, 0.5296, 0.2691



65.3442, 0.2664, 0.4789

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.



19.8767, 0.0971, 0.2107



19.8767, 0.5296, 0.2691



19.8767, 0.2061, 0.5381

Square

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



19.8767, 0.5296, 0.2691



19.8767, 0.4436, 0.5393



19.8767, 0.1259, 0.3469



19.8767, 0.1492, 0.1367

Rectangle

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



19.8767, 0.5296, 0.2691



19.8767, 0.5688, 0.4034



19.8767, 0.1259, 0.3469



19.8767, 0.0993, 0.1646

Sweetspot

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



19.8779, 0.5296, 0.2691



58.0219, 0.3514, 0.2953



11.7416, 0.2144, 0.0955



11.4709, 0.3589, 0.2903



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.



19.8779, 0.5296, 0.2691



22.3764, 0.5303, 0.2695



19.2533, 0.6364, 0.3329



15.8716, 0.3226, 0.3189



10.7039, 0.5255, 0.2668



0.9100, 0.4921, 0.2484

Inverse Universe

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



19.8779, 0.5296, 0.2691



22.3764, 0.5303, 0.2695



60.7354, 0.2188, 0.3077



15.8716, 0.3226, 0.3189



10.7039, 0.5255, 0.2668



0.9100, 0.4921, 0.2484

Previews

White Background



This preview shows how the Yxy color 19.8767, 0.5296, 0.2691 looks on a white background.

Color Contrast Check

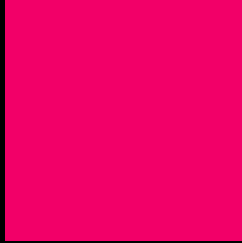
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.8767, 0.5296, 0.2691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

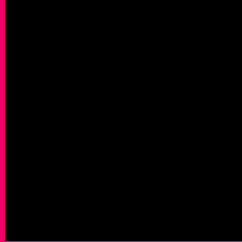
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.8767, 0.5296, 0.2691

Background



This preview shows how black text looks on a background with the Yxy color 19.8767, 0.5296, 0.2691.

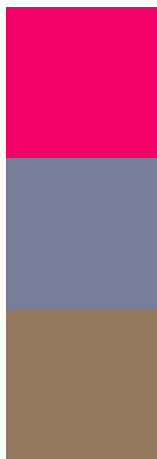


This preview shows how white text looks on a background with the Yxy color 19.8767, 0.5296, 0.2691.

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

19.8767, 0.5296, 0.2691

Protanopia

20.5716, 0.2789, 0.2812

Deuteranopia

20.4441, 0.3800, 0.3741



Tritanopia

20.3344, 0.6044, 0.3309

Trichromacy



Original Color

19.8767, 0.5296, 0.2691



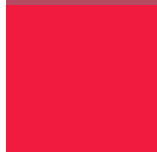
Protanomaly

15.2057, 0.3619, 0.2456



Deuteranomaly

15.9958, 0.4505, 0.2993



Tritanomaly

19.8435, 0.5873, 0.3102

Monochromacy



Original Color

19.8767, 0.5296, 0.2691



Achromatopsia

8.8656, 0.3127, 0.3290



Achromatomaly

8.9643, 0.4161, 0.2637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8767, 0.5296, 0.2691 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(242, 0, 104)` looks like.

```
.text, #text, p{  
  color:rgb(242, 0, 104)  
}
```

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(242, 0, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 104) }
```

Border

The CSS property to change the border of an element to Yxy 19.8767, 0.5296, 0.2691 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(242, 0, 104) }
```

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

```
.border{ border-color:rgb(242, 0, 104) }
```

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

Here you see how a box with a 4 pixel rgb(242, 0, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 104);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 19.8767, 0.5296, 0.2691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 0, 104) }
```

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

```
.background{ background-color: rgb(242, 0,  
104) }
```

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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