

Converting Colors

$Yxy(20.7181, 0.4720, 0.2374)$

Have a look what the booklet for
Yxy(20.7181, 0.4720, 0.2374)
contains.

Yxy(20.6834, 0.4711, 0.2369)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6834, 0.4711, 0.2369)

Conversions

Conversions Part 1

Format	Color
Hex	F20089
RGB	242, 0, 137
RGB Percent	95%, 0%, 54%
CMY	0.0510, 0.9995, 0.4627
CMYK	0.00, 1.00, 0.43, 0.05
HSL	326°, 100%, 47%
HSV	326°, 100%, 95%
XYZ	41.1311, 20.6834, 25.4941
YIQ	87.9760, 100.2550, 93.9110

Conversions

Conversions Part 2

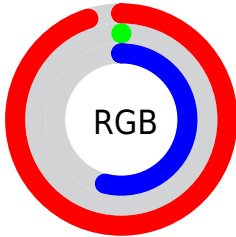
Format	Color
R_{YB}	242, 0, 137
Decimal	15859849
CIE _{Lab}	52.60, 82.50, -4.99
CIE _{LCh}	53, 82.649, 356.537
Y _{xy}	20.6834, 0.4711, 0.2369
Android (android.graphics.Color)	4294049929 (0xFFFF20089)
YUV	87.9760, 24.1688, 135.0790
Hunter-Lab	45.4790, 81.8466, -1.4008

Details

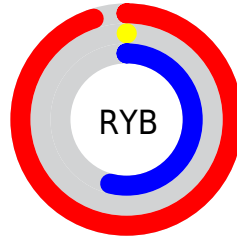
The Yxy color **20.6834, 0.4711, 0.2369** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **64.5211, 0.2792, 0.5251**, and the grayscale version is **9.7006, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5271, 0.3897, 0.2384**, and **10.2718, 0.5014, 0.2536** is the 20% darker color. If you saturate the color by 10%, you get **20.6801, 0.4712, 0.2369**, and if you desaturate by 10%, it is **21.6651, 0.4510, 0.2312**.

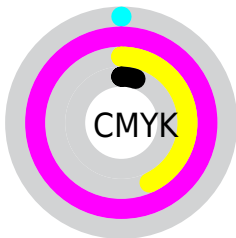
Distribution



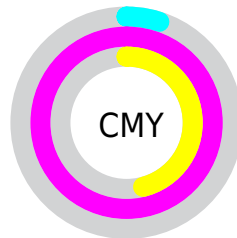
- Red (95%)
- Green (0%)
- Blue (54%)



- Red (95%)
- Yellow (0%)
- Blue (54%)



- Cyan (0%)
- Magenta (100%)
- Yellow (43%)
- Black (5%)





- Cyan (5%)
- Magenta (100%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6834, 0.4711, 0.2369 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 20.6834, 0.4711, 0.2369 by changing the saturation by 10% instead.


 20.6834, 0.4711,
0.2369


 20.6834, 0.4711,
0.2369


255.5911, 0.3836,
0.2868


 12.8928, 0.4956,
0.2233


 44.5600, 0.4373,
0.2559

 7.3548, 0.5286,
0.2054


 61.4148, 0.4252,
0.2627

 3.6849, 0.5749,
0.1807

 82.0598, 0.4152,
0.2685

 1.4989, 0.6430,
0.1455

 106.8793, 0.4069,
0.2733

 0.2880, 0.7750,
0.0682

 136.2578, 0.3997,
0.2774

 0.0000, 1.0000,
0.0000

 170.5797, 0.3936,

 0.0000, 0.0000,

0.2809

0.0000

210.2293, 0.3883,
0.2840

■ 20.6834, 0.4711,
0.2369

■ 20.6834, 0.4711,
0.2369

■ 20.6801, 0.4712,
0.2369

■ 21.6651, 0.4510,
0.2312

■ 23.5021, 0.4303,
0.2305

■ 26.4516, 0.4097,
0.2351

■ 30.6672, 0.3900,
0.2440

■ 36.2782, 0.3721,
0.2561

■ 43.3977, 0.3562,
0.2702

■ 52.1271, 0.3424,
0.2851

■ 62.5589, 0.3307,
0.3003

■ 74.7787, 0.3209,
0.3150

Harmonies

Analogous

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



20.6834, 0.3140, 0.1761



20.6834, 0.4711, 0.2369



20.6834, 0.5782, 0.3114

Triad

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



20.6834, 0.4711, 0.2369



20.6834, 0.3760, 0.5902



20.6834, 0.0976, 0.1697

Complementary

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



20.6834, 0.4711, 0.2369



64.5211, 0.2792, 0.5251

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.



20.6834, 0.1038, 0.2590



20.6834, 0.4711, 0.2369



20.6834, 0.2549, 0.5947

Square

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



20.6834, 0.4711, 0.2369



20.6834, 0.4930, 0.4933



20.6834, 0.1540, 0.4323



20.6834, 0.1249, 0.1383

Rectangle

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



20.6834, 0.4711, 0.2369



20.6834, 0.5877, 0.3648



20.6834, 0.1540, 0.4323



20.6834, 0.0958, 0.1913

Sweetspot

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



20.6846, 0.4711, 0.2369



58.5630, 0.3426, 0.2849



9.4125, 0.1885, 0.0812



11.5987, 0.3482, 0.2785



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.



20.6846, 0.4711, 0.2369



23.2832, 0.4717, 0.2372



18.9164, 0.6347, 0.3270



15.9087, 0.3205, 0.3157



11.1386, 0.4680, 0.2352



0.9466, 0.4433, 0.2216

Inverse Universe

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



20.6846, 0.4711, 0.2369



23.2832, 0.4717, 0.2372



68.9824, 0.2305, 0.3498



15.9087, 0.3205, 0.3157



11.1386, 0.4680, 0.2352



0.9466, 0.4433, 0.2216

Previews

White Background



This preview shows how the Yxy color 20.6834, 0.4711, 0.2369 looks on a white background.

Color Contrast Check

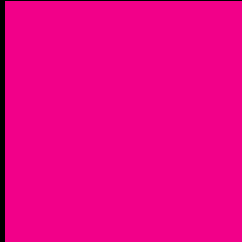
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6834, 0.4711, 0.2369 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 20.6834, 0.4711, 0.2369

Background



This preview shows how black text looks on a background with the Yxy color 20.6834, 0.4711, 0.2369.



This preview shows how white text looks on a background with the Yxy color 20.6834, 0.4711, 0.2369.

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

20.6834, 0.4711, 0.2369

Protanopia

21.4652, 0.2278, 0.2146

Deuteranopia

21.1872, 0.3278, 0.3221



Tritanopia

21.0913, 0.5816, 0.3291

Trichromacy



Original Color

20.6834, 0.4711, 0.2369



Protanomaly

15.5079, 0.2895, 0.1906



Deuteranomaly

16.3176, 0.3842, 0.2535



Tritanomaly

20.1507, 0.5523, 0.2944

Monochromacy



Original Color

20.6834, 0.4711, 0.2369



Achromatopsia

9.7587, 0.3127, 0.3290



Achromatomaly

9.7982, 0.3877, 0.2448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6834, 0.4711, 0.2369 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, 137)` looks like.

```
.text, #text, p{  
    color:rgb(242, 0, 137)  
}
```

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, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 0, 137) }
```

Border

The CSS property to change the border of an element to Yxy 20.6834, 0.4711, 0.2369 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, 137) }
```

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

```
.border{ border-color:rgb(242, 0, 137) }
```

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, 137) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 0, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 0, 137);  
box-shadow:4px 4px 4px 4px rgb(242, 0,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6834, 0.4711, 0.2369 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, 137) }
```

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

```
.background{ background-color: rgb(242, 0,  
137) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor