

Converting Colors

$Y_{xy}(20.8986, 0.5283, 0.2684)$

Have a look what the booklet for
Yxy(20.8986, 0.5283, 0.2684)
contains.

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Color

Yxy(20.8357, 0.5284, 0.2684)

Conversions

Conversions Part 1

Format	Color
Hex	F7006B
RGB	247, 0, 107
RGB Percent	97%, 0%, 42%
CMY	0.0313, 1.0000, 0.5803
CMYK	0.00, 1.00, 0.57, 0.03
HSL	334°, 100%, 48%
HSV	334°, 100%, 97%
XYZ	41.0193, 20.8357, 15.7743
YIQ	86.0510, 112.8650, 85.6410

Conversions

Conversions Part 2

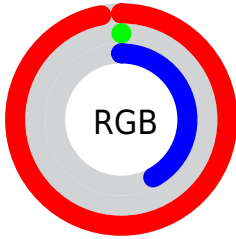
Format	Color
R_YB	247, 0, 107
Decimal	16187499
CIE Lab	52.77, 81.43, 13.53
CIE LCh	53, 82.547, 9.431
Yxy	20.8357, 0.5284, 0.2684
Android (android.graphics.Color)	4294377579 (0xFFFF7006B)
YUV	86.0510, 10.3279, 141.1523
Hunter-Lab	45.6461, 80.5260, 11.4630

Details

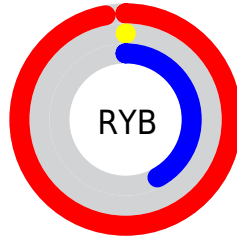
The Yxy color **20.8357, 0.5284, 0.2684** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **68.4313, 0.2668, 0.4804**, and the grayscale version is **9.2791, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.2780, 0.4314, 0.2694**, and **10.3935, 0.5660, 0.2891** is the 20% darker color. If you saturate the color by 10%, you get **20.8408, 0.5284, 0.2684**, and if you desaturate by 10%, it is **21.8425, 0.5014, 0.2597**.

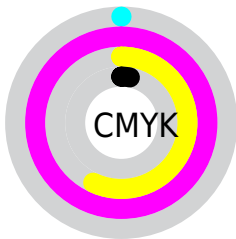
Distribution



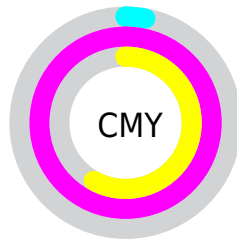
- Red (97%)
- Green (0%)
- Blue (42%)



- Red (97%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (3%)





- Cyan (3%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.8357, 0.5284, 0.2684 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 20.8357, 0.5284, 0.2684 by changing the saturation by 10% instead.


 20.8357, 0.5284,
0.2684


 20.8357, 0.5284,
0.2684


256.4040, 0.4076,
0.3061


 13.0040, 0.5621,
0.2563


 44.8139, 0.4816,
0.2840

 7.4313, 0.6070,
0.2391


 61.7292, 0.4649,
0.2893

 3.7332, 0.6682,
0.2137

 82.4411, 0.4511,
0.2936

 1.5255, 0.7568,
0.1751

 107.3341, 0.4396,
0.2970

 0.3066, 0.9139,
0.0861

 136.7924, 0.4298,
0.2999

 0.0000, 1.0000,
0.0000

 171.2006, 0.4213,

 0.0000, 0.0000,

0.3023

0.0000

210.9430, 0.4140,
0.3043

■ 20.8357, 0.5284,
0.2684

■ 20.8357, 0.5284,
0.2684

■ 20.8408, 0.5284,
0.2684

■ 21.8425, 0.5014,
0.2597

■ 23.7594, 0.4725,
0.2560

■ 26.8615, 0.4434,
0.2575

■ 31.3118, 0.4159,
0.2635

■ 37.2477, 0.3911,
0.2725

■ 44.7891, 0.3695,
0.2834

■ 54.0437, 0.3511,
0.2950

■ 65.1098, 0.3358,
0.3068

■ 78.0782, 0.3231,
0.3182

Harmonies

Analogous

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



20.8357, 0.3806, 0.1998



20.8357, 0.5284, 0.2684



20.8357, 0.5892, 0.3455

Triad

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



20.8357, 0.5284, 0.2684



20.8357, 0.3237, 0.6106



20.8357, 0.1057, 0.1514

Complementary

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



20.8357, 0.5284, 0.2684



68.4313, 0.2668, 0.4804

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.



20.8357, 0.0973, 0.2116



20.8357, 0.5284, 0.2684



20.8357, 0.2072, 0.5396

Square

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



20.8357, 0.5284, 0.2684



20.8357, 0.4446, 0.5381



20.8357, 0.1264, 0.3486



20.8357, 0.1486, 0.1368

Rectangle

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



20.8357, 0.5284, 0.2684



20.8357, 0.5693, 0.4025



20.8357, 0.1264, 0.3486



20.8357, 0.0993, 0.1651

Sweetspot

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



20.8408, 0.5284, 0.2684



58.0355, 0.3512, 0.2950



12.2909, 0.2143, 0.0954



11.4741, 0.3586, 0.2900



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.



20.8408, 0.5284, 0.2684



22.3961, 0.5288, 0.2687



20.1635, 0.6365, 0.3328



16.6017, 0.3225, 0.3188



11.0467, 0.5242, 0.2662



0.9911, 0.4926, 0.2487

Inverse Universe

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



20.8408, 0.5284, 0.2684



22.3961, 0.5288, 0.2687



63.6216, 0.2188, 0.3077



16.6017, 0.3225, 0.3188



11.0467, 0.5242, 0.2662



0.9911, 0.4926, 0.2487

Previews

White Background



This preview shows how the Yxy color 20.8357, 0.5284, 0.2684 looks on a white background.

Color Contrast Check

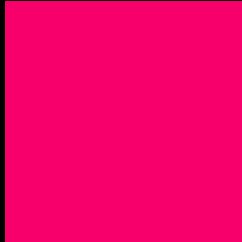
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8357, 0.5284, 0.2684 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 20.8357, 0.5284, 0.2684

Background



This preview shows how black text looks on a background with the Yxy color 20.8357, 0.5284, 0.2684.



This preview shows how white text looks on a background with the Yxy color 20.8357, 0.5284, 0.2684.

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

20.8357, 0.5284, 0.2684

Protanopia

21.3870, 0.2766, 0.2771

Deuteranopia

21.2662, 0.3791, 0.3716



Tritanopia

21.3003, 0.6046, 0.3309

Trichromacy



Original Color

20.8357, 0.5284, 0.2684



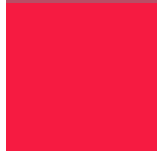
Protanomaly

15.7878, 0.3597, 0.2427



Deuteranomaly

16.7027, 0.4479, 0.2983



Tritanomaly

20.7584, 0.5870, 0.3096

Monochromacy



Original Color

20.8357, 0.5284, 0.2684



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5603, 0.4154, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8357, 0.5284, 0.2684 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(247, 0, 107)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 107)  
}
```

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(247, 0, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 107) }
```

Border

The CSS property to change the border of an element to Yxy 20.8357, 0.5284, 0.2684 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(247, 0, 107) }
```

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

```
.border{ border-color:rgb(247, 0, 107) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 107);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8357, 0.5284, 0.2684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 107) }
```

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

```
.background{ background-color: rgb(247, 0,  
107) }
```

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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