

Converting Colors

$Yxy(21.0406, 0.5433, 0.2767)$

Have a look what the booklet for
Yxy(21.0406, 0.5433, 0.2767)
contains.

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Color

Yxy(21.0406, 0.5433, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	F90063
RGB	249, 0, 99
RGB Percent	98%, 0%, 39%
CMY	0.0236, 0.9990, 0.6118
CMYK	0.00, 1.00, 0.60, 0.02
HSL	336°, 100%, 49%
HSV	336°, 100%, 98%
XYZ	41.3132, 21.0406, 13.6874
YIQ	85.7370, 116.6250, 83.5770

Conversions

Conversions Part 2

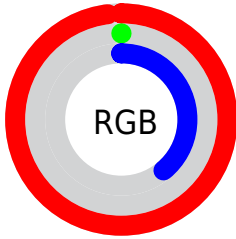
Format	Color
RYB	249, 0, 99
Decimal	16318563
CIELab	52.99, 81.36, 18.77
CIELCh	53, 83.499, 12.988
Yxy	21.0406, 0.5433, 0.2767
Android (android.graphics.Color)	4294508643 (0xFFFF90063)
YUV	85.7370, 6.5387, 143.1817
Hunter-Lab	45.8700, 80.4948, 14.4171

Details

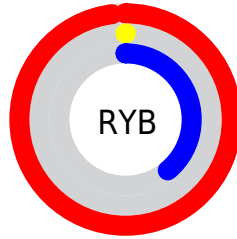
The Yxy color **21.0406, 0.5433, 0.2767** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **69.9487, 0.2631, 0.4672**, and the grayscale version is **9.2461, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.9793, 0.4436, 0.2785**, and **10.4474, 0.5804, 0.2971** is the 20% darker color. If you saturate the color by 10%, you get **21.0335, 0.5436, 0.2768**, and if you desaturate by 10%, it is **22.0524, 0.5149, 0.2675**.

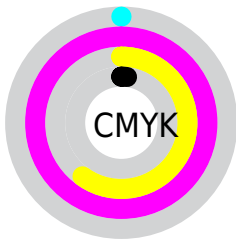
Distribution



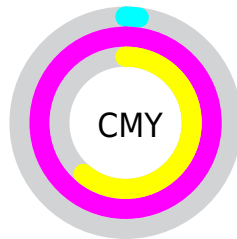
- Red (98%)
- Green (0%)
- Blue (39%)



- Red (98%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (2%)





- Cyan (2%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.0406, 0.5433, 0.2767 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 21.0406, 0.5433, 0.2767 by changing the saturation by 10% instead.


 21.0406, 0.5433,
0.2767


 21.0406, 0.5433,
0.2767


257.4942, 0.4145,
0.3114


 13.1537, 0.5788,
0.2648


 45.1551, 0.4936,
0.2916


 7.5345, 0.6256,
0.2476


 62.1515, 0.4758,
0.2965

 3.7985, 0.6882,
0.2215

 82.9531, 0.4610,
0.3004

 1.5615, 0.7863,
0.1838

 107.9444, 0.4487,
0.3035

 0.3314, 0.9089,
0.0911

 137.5098, 0.4382,
0.3060

 0.0000, 1.0000,
0.0000

 172.0336, 0.4291,

 0.0000, 0.0000,

0.3081

0.0000

211.9003, 0.4213,
0.3099

■ 21.0406, 0.5433,
0.2767

■ 21.0406, 0.5433,
0.2767

■ 21.0335, 0.5436,
0.2768

■ 22.0524, 0.5149,
0.2675

■ 24.0065, 0.4840,
0.2631

■ 27.1751, 0.4526,
0.2639

■ 31.7248, 0.4229,
0.2691

■ 37.7957, 0.3961,
0.2772

■ 45.5105, 0.3730,
0.2872

■ 54.9793, 0.3533,
0.2979

■ 66.3023, 0.3370,
0.3087

■ 79.5726, 0.3236,
0.3192

Harmonies

Analogous

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



21.0406, 0.4003, 0.2063



21.0406, 0.5433, 0.2767



21.0406, 0.5905, 0.3547

Triad

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



21.0406, 0.5433, 0.2767



21.0406, 0.3086, 0.6143



21.0406, 0.1078, 0.1467

Complementary

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



21.0406, 0.5433, 0.2767



69.9487, 0.2631, 0.4672

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.



21.0406, 0.0954, 0.2001



21.0406, 0.5433, 0.2767



21.0406, 0.1939, 0.5213

Square

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



21.0406, 0.5433, 0.2767



21.0406, 0.4307, 0.5510



21.0406, 0.1193, 0.3274



21.0406, 0.1556, 0.1362

Rectangle

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



21.0406, 0.5433, 0.2767



21.0406, 0.5631, 0.4133



21.0406, 0.1193, 0.3274



21.0406, 0.1001, 0.1586

Sweetspot

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



21.0419, 0.5433, 0.2767



57.8972, 0.3536, 0.2978



13.2791, 0.2216, 0.0995



11.4416, 0.3615, 0.2932



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.



21.0419, 0.5433, 0.2767



22.2042, 0.5439, 0.2770



20.8368, 0.6336, 0.3350



17.3394, 0.3231, 0.3196



11.2873, 0.5394, 0.2745



1.0656, 0.5077, 0.2571

Inverse Universe

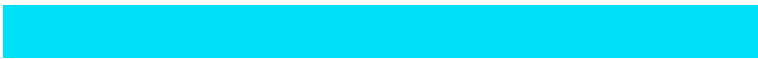
The Inverse Universe completely reimagines the original color for something new.



21.0419, 0.5433, 0.2767



22.2042, 0.5439, 0.2770



60.2076, 0.2158, 0.2967



17.3394, 0.3231, 0.3196



11.2873, 0.5394, 0.2745



1.0656, 0.5077, 0.2571

Previews

White Background



This preview shows how the Yxy color 21.0406, 0.5433, 0.2767 looks on a white background.

Color Contrast Check

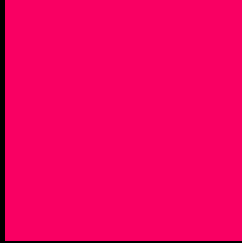
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.0406, 0.5433, 0.2767 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 21.0406, 0.5433, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 21.0406, 0.5433, 0.2767.

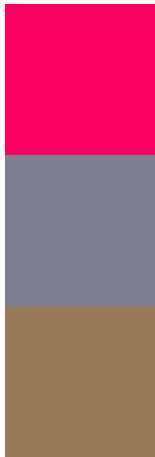


This preview shows how white text looks on a background with the Yxy color 21.0406, 0.5433, 0.2767.

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

21.0406, 0.5433, 0.2767

Protanopia

21.5523, 0.2925, 0.2991

Deuteranopia

21.3960, 0.3941, 0.3858



Tritanopia

21.4253, 0.6099, 0.3312

Trichromacy



Original Color

21.0406, 0.5433, 0.2767



Protanomaly

15.9894, 0.3796, 0.2592



Deuteranomaly

16.9129, 0.4672, 0.3111



Tritanomaly

21.0215, 0.5942, 0.3131

Monochromacy



Original Color

21.0406, 0.5433, 0.2767



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5074, 0.4220, 0.2687

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.0406, 0.5433, 0.2767 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(249, 0, 99)` looks like.

```
.text, #text, p{  
    color:rgb(249, 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(249, 0, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 99) }
```

Border

The CSS property to change the border of an element to Yxy 21.0406, 0.5433, 0.2767 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(249, 0, 99) }
```

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

```
.border{ border-color:rgb(249, 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(249, 0, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(249, 0, 99)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.0406, 0.5433, 0.2767$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 99) }
```

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

```
.background{ background-color: rgb(249, 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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