

Converting Colors

$Yxy(21.9976, 0.5766, 0.2968)$

Have a look what the booklet for
Yxy(21.9976, 0.5766, 0.2968)
contains.

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Color

Yxy(21.9982, 0.5766, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	FF084F
RGB	255, 8, 79
RGB Percent	100%, 3%, 31%
CMY	0.0000, 0.9682, 0.6903
CMYK	0.00, 0.97, 0.69, 0.00
HSL	343°, 100%, 52%
HSV	343°, 97%, 100%
XYZ	42.7364, 21.9982, 9.3833
YIQ	89.9470, 124.4210, 74.4450

Conversions

Conversions Part 2

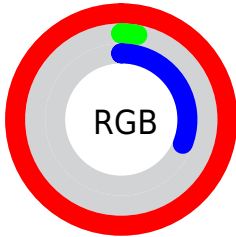
Format	Color
R_{YB}	255, 8, 79
Decimal	16713807
CIE _{Lab}	54.03, 81.22, 32.39
CIE _{LCh}	54, 87.440, 21.743
Yxy	21.9982, 0.5766, 0.2968
Android (android.graphics.Color)	4294903887 (0xFFFF084F)
YUV	89.9470, -5.3969, 144.7515
Hunter-Lab	46.9022, 80.5668, 20.9699

Details

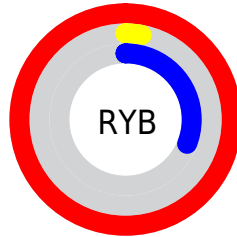
The Yxy color **21.9982, 0.5766, 0.2968** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **75.0376, 0.2514, 0.4236**, and the grayscale version is **10.2179, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.7422, 0.4711, 0.3015**, and **10.9402, 0.6116, 0.3143** is the 20% darker color. If you saturate the color by 10%, you get **21.7428, 0.5856, 0.3000**, and if you desaturate by 10%, it is **23.2474, 0.5446, 0.2880**.

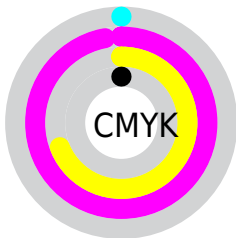
Distribution



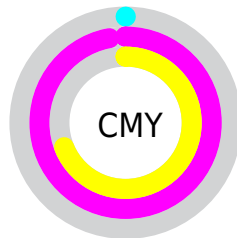
- Red (100%)
- Green (3%)
- Blue (31%)



- Red (100%)
- Yellow (3%)
- Blue (31%)



- Cyan (0%)
- Magenta (97%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (97%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9982, 0.5766, 0.2968 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 21.9982, 0.5766, 0.2968 by changing the saturation by 10% instead.


 21.9982, 0.5766,
0.2968


 21.9982, 0.5766,
0.2968


262.5369, 0.4315,
0.3251


 13.8556, 0.6144,
0.2850


 46.7430, 0.5220,
0.3105


 8.0203, 0.6622,
0.2670


 64.1140, 0.5019,
0.3146

 4.1079, 0.7238,
0.2394

 85.3299, 0.4851,
0.3177

 1.7341, 0.8038,
0.1962

 110.7751, 0.4710,
0.3200

 0.4456, 0.8892,
0.1108

 140.8340, 0.4589,
0.3217

 0.0000, 1.0000,
0.0000

175.8910, 0.4485,

 0.0000, 0.0000,

0.3231

0.0000

216.3305, 0.4395,
0.3242

■ 21.9982, 0.5766,
0.2968

■ 21.9982, 0.5766,
0.2968

■ 21.7428, 0.5856,
0.3000

■ 23.2474, 0.5446,
0.2880

■ 25.6446, 0.5079,
0.2836

■ 29.4035, 0.4703,
0.2838

■ 34.6929, 0.4348,
0.2875

■ 41.6568, 0.4034,
0.2936

■ 50.4223, 0.3766,
0.3010

■ 61.1042, 0.3543,
0.3088

■ 73.8078, 0.3360,
0.3167

■ 88.6306, 0.3212,
0.3242

Harmonies

Analogous

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



21.9982, 0.4510, 0.2227



21.9982, 0.5766, 0.2968



21.9982, 0.5891, 0.3779

Triad

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



21.9982, 0.5766, 0.2968



21.9982, 0.2703, 0.6169



21.9982, 0.1139, 0.1361

Complementary

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



21.9982, 0.5766, 0.2968



75.0376, 0.2514, 0.4236

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.



21.9982, 0.0917, 0.1746



21.9982, 0.5766, 0.2968



21.9982, 0.1621, 0.4699

Square

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



21.9982, 0.5766, 0.2968



21.9982, 0.3945, 0.5834



21.9982, 0.1033, 0.2784



21.9982, 0.1747, 0.1354

Rectangle

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



21.9982, 0.5766, 0.2968



21.9982, 0.5444, 0.4414



21.9982, 0.1033, 0.2784



21.9982, 0.1028, 0.1439

Sweetspot

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



21.9996, 0.5766, 0.2968



58.6052, 0.3588, 0.3071



17.2116, 0.2473, 0.1145



11.5566, 0.3682, 0.3038



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.



21.9996, 0.5766, 0.2968



21.7434, 0.5856, 0.3000



24.2524, 0.6138, 0.3480



18.0728, 0.3249, 0.3222



11.3835, 0.5814, 0.2977



1.1263, 0.5494, 0.2800

Inverse Universe

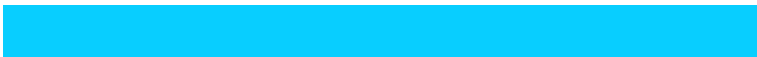
The Inverse Universe completely reimagines the original color for something new.



21.9996, 0.5766, 0.2968



21.7434, 0.5856, 0.3000



51.2325, 0.2071, 0.2644



18.0728, 0.3249, 0.3222



11.3835, 0.5814, 0.2977



1.1263, 0.5494, 0.2800

Previews

White Background



This preview shows how the Yxy color 21.9982, 0.5766, 0.2968 looks on a white background.

Color Contrast Check

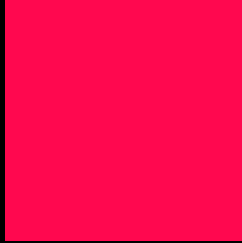
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9982, 0.5766, 0.2968 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 21.9982, 0.5766, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 21.9982, 0.5766, 0.2968.



This preview shows how white text looks on a background with the Yxy color 21.9982, 0.5766, 0.2968.

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

21.9982, 0.5766, 0.2968

Protanopia

22.4839, 0.3342, 0.3520

Deuteranopia

22.2941, 0.4252, 0.4173



Tritanopia

22.2377, 0.6212, 0.3320

Trichromacy



Original Color

21.9982, 0.5766, 0.2968



Protanomaly

17.2186, 0.4316, 0.3050



Deuteranomaly

18.0916, 0.5049, 0.3426



Tritanomaly

21.9214, 0.6110, 0.3213

Monochromacy



Original Color

21.9982, 0.5766, 0.2968



Achromatopsia

10.2242, 0.3127, 0.3290



Achromatomaly

10.3876, 0.4381, 0.2867

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9982, 0.5766, 0.2968 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(255, 8, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 8, 79)  
}
```

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(255, 8, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 8, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.9982, 0.5766, 0.2968 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(255, 8, 79) }
```

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

```
.border{ border-color:rgb(255, 8, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 8, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 8, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 8, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 8, 79)  
}
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.9982, 0.5766, 0.2968$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 8, 79) }
```

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

```
.background{ background-color: rgb(255, 8,  
79) }
```

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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