

Converting Colors

$Y_{xy}(21.8920, 0.5710, 0.2919)$

Have a look what the booklet for
Yxy(21.8920, 0.5710, 0.2919)
contains.

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Color

Yxy(21.9001, 0.5705, 0.2916)

Conversions

Conversions Part 1

Format	Color
Hex	FF0054
RGB	255, 0, 84
RGB Percent	100%, 0%, 33%
CMY	0.0000, 1.0000, 0.6706
CMYK	0.00, 1.00, 0.67, 0.00
HSL	340°, 100%, 50%
HSV	340°, 100%, 100%
XYZ	42.8464, 21.9001, 10.3567
YIQ	85.8210, 125.0160, 80.1840

Conversions

Conversions Part 2

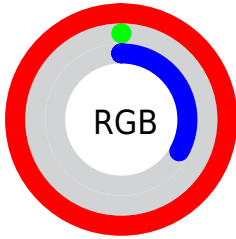
Format	Color
R_{YB}	255, 0, 84
Decimal	16711764
CIE Lab	53.92, 82.00, 29.26
CIE LCh	54, 87.060, 19.637
Yxy	21.9001, 0.5705, 0.2916
Android (android.graphics.Color)	4294901844 (0xFFFF0054)
YUV	85.8210, -0.8978, 148.3700
Hunter-Lab	46.7975, 81.5334, 19.6368

Details

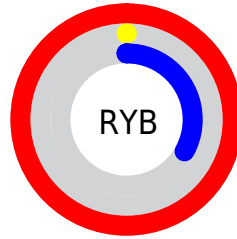
The Yxy color **21.9001, 0.5705, 0.2916** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **74.4602, 0.2563, 0.4427**, and the grayscale version is **9.2480, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6888, 0.4649, 0.2956**, and **10.9720, 0.6047, 0.3105** is the 20% darker color. If you saturate the color by 10%, you get **21.9001, 0.5705, 0.2916**, and if you desaturate by 10%, it is **22.9184, 0.5405, 0.2818**.

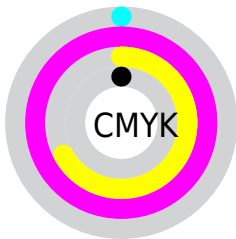
Distribution



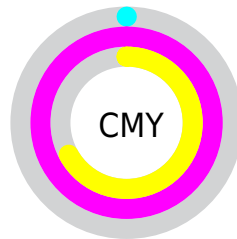
- Red (100%)
- Green (0%)
- Blue (33%)



- Red (100%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (67%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9001, 0.5705, 0.2916 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 21.9001, 0.5705, 0.2916 by changing the saturation by 10% instead.


 21.9001, 0.5705,
0.2916


 21.9001, 0.5705,
0.2916


262.0241, 0.4283,
0.3216


 13.7835, 0.6081,
0.2798


 46.5808, 0.5166,
0.3056


 7.9702, 0.6560,
0.2620


 63.9138, 0.4969,
0.3100

 4.0759, 0.7173,
0.2345

 85.0876, 0.4806,
0.3132

 1.7161, 0.8062,
0.1938

 110.4867, 0.4668,
0.3157

 0.4341, 0.8923,
0.1077

 140.4956, 0.4550,
0.3177

 0.0000, 1.0000,
0.0000

 175.4985, 0.4448,

 0.0000, 0.0000,

0.3193

0.0000

215.8799, 0.4360,
0.3206

■ 21.9001, 0.5705,
0.2916

■ 22.9184, 0.5405,
0.2818

■ 24.9405, 0.5064,
0.2763

■ 28.2558, 0.4710,
0.2758

■ 33.0429, 0.4371,
0.2794

■ 39.4517, 0.4066,
0.2859

■ 47.6132, 0.3802,
0.2941

■ 57.6454, 0.3581,
0.3030

■ 69.6556, 0.3398,
0.3120

■ 83.7429, 0.3249,
0.3208

Harmonies

Analogous

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



21.9001, 0.4391, 0.2182



21.9001, 0.5705, 0.2916



21.9001, 0.5913, 0.3719

Triad

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



21.9001, 0.5705, 0.2916



21.9001, 0.2792, 0.6192



21.9001, 0.1116, 0.1378

Complementary

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



21.9001, 0.5705, 0.2916



74.4602, 0.2563, 0.4427

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.



21.9001, 0.0917, 0.1796



21.9001, 0.5705, 0.2916



21.9001, 0.1688, 0.4841

Square

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



21.9001, 0.5705, 0.2916



21.9001, 0.4033, 0.5765



21.9001, 0.1061, 0.2893



21.9001, 0.1692, 0.1348

Rectangle

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



21.9001, 0.5705, 0.2916



21.9001, 0.5501, 0.4342



21.9001, 0.1061, 0.2893



21.9001, 0.1013, 0.1465

Sweetspot

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



21.9001, 0.5705, 0.2916



57.6454, 0.3581, 0.3030



15.7660, 0.2368, 0.1078



11.3828, 0.3669, 0.2992



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.



21.9001, 0.5705, 0.2916



22.9516, 0.6258, 0.3413



18.0858, 0.3242, 0.3212



11.4677, 0.5661, 0.2892



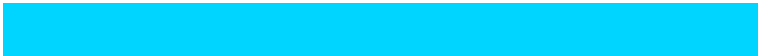
1.1358, 0.5343, 0.2717

Inverse Universe

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



21.9001, 0.5705, 0.2916



54.5573, 0.2094, 0.2739



18.0858, 0.3242, 0.3212



11.4677, 0.5661, 0.2892



1.1358, 0.5343, 0.2717

Previews

White Background



This preview shows how the Yxy color 21.9001, 0.5705, 0.2916 looks on a white background.

Color Contrast Check

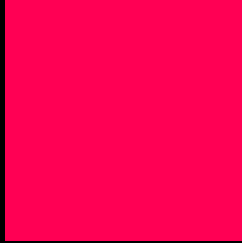
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9001, 0.5705, 0.2916 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 21.9001, 0.5705, 0.2916

Background



This preview shows how black text looks on a background with the Yxy color 21.9001, 0.5705, 0.2916.

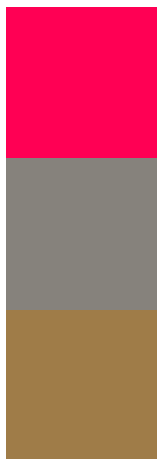


This preview shows how white text looks on a background with the Yxy color 21.9001, 0.5705, 0.2916.

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

21.9001, 0.5705, 0.2916

Protanopia

22.4888, 0.3240, 0.3396

Deuteranopia

22.2541, 0.4187, 0.4109



Tritanopia

22.3036, 0.6197, 0.3317

Trichromacy



Original Color

21.9001, 0.5705, 0.2916



Protanomaly

16.7556, 0.4219, 0.2919



Deuteranomaly

17.5831, 0.4993, 0.3332



Tritanomaly

21.8664, 0.6089, 0.3192

Monochromacy



Original Color

21.9001, 0.5705, 0.2916



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5913, 0.4387, 0.2798

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9001, 0.5705, 0.2916 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, 0, 84)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 84)  
}
```

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, 0, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 84) }
```

Border

The CSS property to change the border of an element to Yxy 21.9001, 0.5705, 0.2916 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, 0, 84) }
```

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

```
.border{ border-color:rgb(255, 0, 84) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 84);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 84)  
}
```

Background

The CSS property to change the background color of an element to Yxy 21.9001, 0.5705, 0.2916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 84) }
```

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

```
.background{ background-color: rgb(255, 0,  
84) }
```

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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