

Converting Colors

Yxy(21.8208, 0.5780, 0.2958)

Have a look what the booklet for
Yxy(21.8208, 0.5780, 0.2958)
contains.

Yxy(21.8245, 0.5776, 0.2956)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8245, 0.5776, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	FF004F
RGB	255, 0, 79
RGB Percent	100%, 0%, 31%
CMY	0.0001, 0.9989, 0.6902
CMYK	0.00, 1.00, 0.69, 0.00
HSL	341°, 100%, 50%
HSV	341°, 100%, 100%
XYZ	42.6449, 21.8245, 9.3618
YIQ	85.2510, 126.6210, 78.6290

Conversions

Conversions Part 2

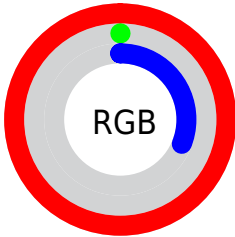
Format	Color
RYB	255, 0, 79
Decimal	16711759
CIELab	53.84, 81.74, 32.14
CIElCh	54, 87.834, 21.465
Yxy	21.8245, 0.5776, 0.2956
Android (android.graphics.Color)	4294901839 (0xFFFF004F)
YUV	85.2510, -3.0817, 148.8699
Hunter-Lab	46.7167, 81.1878, 20.8203

Details

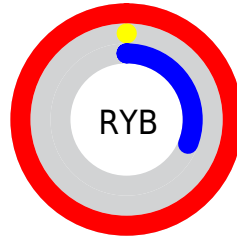
The Yxy color **21.8245, 0.5776, 0.2956** is a dark color, and the websafe version is hex **FF3366**, and the color name is **folly**. The color can be described as dark saturated red. A complement of this color would be **74.6510, 0.2542, 0.4351**, and the grayscale version is **9.1600, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5539, 0.4716, 0.3006**, and **10.9462, 0.6103, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **21.8172, 0.5779, 0.2957**, and if you desaturate by 10%, it is **22.8400, 0.5474, 0.2859**.

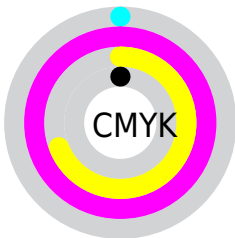
Distribution



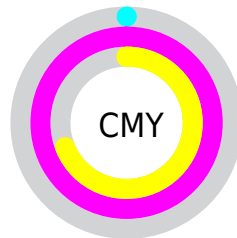
- Red (100%)
- Green (0%)
- Blue (31%)



- Red (100%)
- Yellow (0%)
- Blue (31%)



- Cyan (0%)
- Magenta (100%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.8245, 0.5776, 0.2956 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 21.8245, 0.5776, 0.2956 by changing the saturation by 10% instead.


 21.8245, 0.5776,
0.2956


 21.8245, 0.5776,
0.2956


261.6284, 0.4318,
0.3246

 13.7280, 0.6156,
0.2836


 46.4558, 0.5227,
0.3096


 7.9317, 0.6637,
0.2654


 63.7593, 0.5025,
0.3138

 4.0513, 0.7258,
0.2375

 84.9007, 0.4857,
0.3169

 1.7023, 0.8061,
0.1939

 110.2642, 0.4715,
0.3192

 0.4251, 0.8933,
0.1067

 140.2344, 0.4593,
0.3211

 0.0000, 1.0000,
0.0000

 175.1955, 0.4489,

 0.0000, 0.0000,

0.3225

0.0000

215.5321, 0.4398,
0.3236

■ 21.8245, 0.5776,
0.2956

■ 21.8245, 0.5776,
0.2956

■ 21.8172, 0.5779,
0.2957


■ 22.8400, 0.5474,
0.2859

■ 24.8668, 0.5125,
0.2802

■ 28.1922, 0.4759,
0.2794


■ 32.9948, 0.4409,
0.2826

■ 39.4245, 0.4093,
0.2886

 47.6126, 0.3820,
0.2963

 57.6770, 0.3592,
0.3047

 69.7254, 0.3404,
0.3132

 83.8571, 0.3251,
0.3214

Harmonies

Analogous

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



21.8245, 0.4503, 0.2215



21.8245, 0.5776, 0.2956



21.8245, 0.5909, 0.3767

Triad

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



21.8245, 0.5776, 0.2956



21.8245, 0.2708, 0.6197



21.8245, 0.1127, 0.1354

Complementary

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



21.8245, 0.5776, 0.2956



74.6510, 0.2542, 0.4351

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.



21.8245, 0.0907, 0.1742



21.8245, 0.5776, 0.2956



21.8245, 0.1619, 0.4729

Square

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



21.8245, 0.5776, 0.2956



21.8245, 0.3955, 0.5838



21.8245, 0.1026, 0.2792



21.8245, 0.1732, 0.1344

Rectangle

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



21.8245, 0.5776, 0.2956



21.8245, 0.5462, 0.4404



21.8245, 0.1026, 0.2792



21.8245, 0.1017, 0.1433

Sweetspot

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



21.8259, 0.5776, 0.2956



57.5713, 0.3594, 0.3046



16.2598, 0.2409, 0.1101



11.3656, 0.3686, 0.3010



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.



21.8259, 0.5776, 0.2956



21.8219, 0.5779, 0.2957



23.2865, 0.6230, 0.3434



18.0795, 0.3245, 0.3217



11.4258, 0.5736, 0.2934



1.1311, 0.5416, 0.2757

Inverse Universe

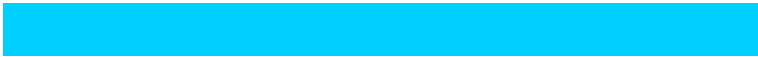
The Inverse Universe completely reimagines the original color for something new.



21.8259, 0.5776, 0.2956



21.8219, 0.5779, 0.2957



52.4688, 0.2078, 0.2681



18.0795, 0.3245, 0.3217



11.4258, 0.5736, 0.2934



1.1311, 0.5416, 0.2757

Previews

White Background



This preview shows how the Yxy color 21.8245, 0.5776, 0.2956 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 21.8245, 0.5776, 0.2956 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 21.8245, 0.5776, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 21.8245, 0.5776, 0.2956.

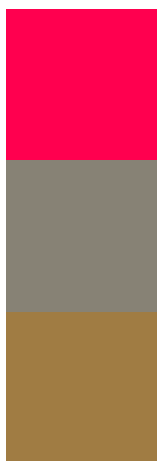


This preview shows how white text looks on a background with the Yxy color 21.8245, 0.5776, 0.2956.

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

21.8245, 0.5776, 0.2956

Protanopia

22.4005, 0.3330, 0.3521

Deuteranopia

22.2941, 0.4252, 0.4173



Tritanopia

22.1830, 0.6217, 0.3316

Trichromacy



Original Color

21.8245, 0.5776, 0.2956



Protanomaly

16.7495, 0.4334, 0.3008



Deuteranomaly

17.6490, 0.5078, 0.3390



Tritanomaly

21.7684, 0.6122, 0.3202

Monochromacy



Original Color

21.8245, 0.5776, 0.2956



Achromatopsia

9.0842, 0.3127, 0.3290



Achromatomaly

9.4659, 0.4438, 0.2817

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8245, 0.5776, 0.2956 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 79) }
```

Border

The CSS property to change the border of an element to Yxy 21.8245, 0.5776, 0.2956 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, 79) }
```

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

```
.border{ border-color:rgb(255, 0, 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, 0, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 79)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.8245, 0.5776, 0.2956 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, 79) }
```

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

```
.background{ background-color: rgb(255, 0,  
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](#).

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