

Converting Colors

$Y_{xy}(21.8421, 0.5760, 0.2946)$

Have a look what the booklet for
Yxy(21.8421, 0.5760, 0.2946)
contains.

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Color

Yxy(21.8392, 0.5762, 0.2948)

Conversions

Conversions Part 1

Format	Color
Hex	FF0050
RGB	255, 0, 80
RGB Percent	100%, 0%, 31%
CMY	0.0000, 0.9994, 0.6862
CMYK	0.00, 1.00, 0.69, 0.00
HSL	341°, 100%, 50%
HSV	341°, 100%, 100%
XYZ	42.6857, 21.8392, 9.5565
YIQ	85.3650, 126.3000, 78.9400

Conversions

Conversions Part 2

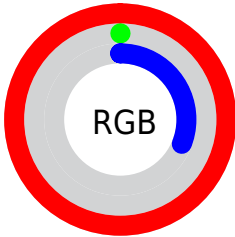
Format	Color
R_{YB}	255, 0, 80
Decimal	16711760
CIE _{Lab}	53.86, 81.80, 31.56
CIE _{LCh}	54, 87.674, 21.099
Yxy	21.8392, 0.5762, 0.2948
Android (android.graphics.Color)	4294901840 (0xFFFF0050)
YUV	85.3650, -2.6449, 148.7699
Hunter-Lab	46.7324, 81.2613, 20.5883

Details

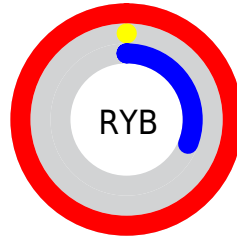
The Yxy color **21.8392, 0.5762, 0.2948** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **74.6148, 0.2547, 0.4367**, and the grayscale version is **9.1687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5803, 0.4703, 0.2996**, and **10.9462, 0.6103, 0.3136** is the 20% darker color. If you saturate the color by 10%, you get **21.8360, 0.5763, 0.2949**, and if you desaturate by 10%, it is **22.8540, 0.5461, 0.2851**.

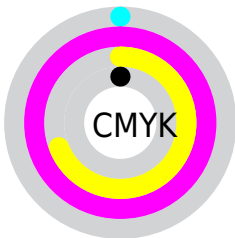
Distribution



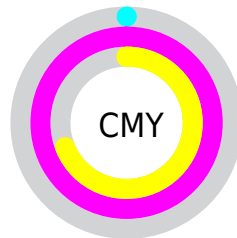
- Red (100%)
- Green (0%)
- Blue (31%)



- 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 21.8392, 0.5762, 0.2948 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 21.8392, 0.5762, 0.2948 by changing the saturation by 10% instead.


 21.8392, 0.5762,
0.2948

 21.8392, 0.5762,
0.2948


261.7054, 0.4311,
0.3240


 13.7388, 0.6141,
0.2828


 46.4801, 0.5215,
0.3088

 7.9392, 0.6622,
0.2647


 63.7894, 0.5014,
0.3130

 4.0561, 0.7241,
0.2368

 84.9370, 0.4846,
0.3161

 1.7050, 0.8062,
0.1938

 110.3075, 0.4705,
0.3185

 0.4269, 0.8931,
0.1069

 140.2852, 0.4585,
0.3204

 0.0000, 1.0000,
0.0000

 175.2545, 0.4481,

 0.0000, 0.0000,

0.3218

0.0000

215.5997, 0.4391,
0.3230

■ 21.8392, 0.5762,
0.2948

■ 21.8392, 0.5762,
0.2948

■ 21.8360, 0.5763,
0.2949

■ 22.8540, 0.5461,
0.2851

■ 24.8766, 0.5113,
0.2794

■ 28.1964, 0.4750,
0.2786

■ 32.9918, 0.4402,
0.2819

■ 39.4129, 0.4088,
0.2880

■ 47.5911, 0.3817,
0.2958

■ 57.6443, 0.3590,
0.3043

■ 69.6800, 0.3403,
0.3129

■ 83.7976, 0.3251,
0.3212

Harmonies

Analogous

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



21.8392, 0.4481, 0.2208



21.8392, 0.5762, 0.2948



21.8392, 0.5910, 0.3757

Triad

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



21.8392, 0.5762, 0.2948



21.8392, 0.2724, 0.6196



21.8392, 0.1125, 0.1359

Complementary

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



21.8392, 0.5762, 0.2948



74.6148, 0.2547, 0.4367

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.



21.8392, 0.0909, 0.1753



21.8392, 0.5762, 0.2948



21.8392, 0.1633, 0.4752

Square

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



21.8392, 0.5762, 0.2948



21.8392, 0.3971, 0.5823



21.8392, 0.1033, 0.2812



21.8392, 0.1724, 0.1345

Rectangle

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



21.8392, 0.5762, 0.2948



21.8392, 0.5470, 0.4391



21.8392, 0.1033, 0.2812



21.8392, 0.1016, 0.1439

Sweetspot

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



21.8406, 0.5762, 0.2948



57.5869, 0.3592, 0.3043



16.2544, 0.2408, 0.1101



11.3692, 0.3682, 0.3006



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.



21.8406, 0.5762, 0.2948



21.8379, 0.5764, 0.2949



23.2808, 0.6231, 0.3434



18.0808, 0.3245, 0.3216



11.4344, 0.5721, 0.2925



1.1321, 0.5401, 0.2749

Inverse Universe

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



21.8406, 0.5762, 0.2948



21.8379, 0.5764, 0.2949



52.4631, 0.2078, 0.2681



18.0808, 0.3245, 0.3216



11.4344, 0.5721, 0.2925



1.1321, 0.5401, 0.2749

Previews

White Background



This preview shows how the Yxy color 21.8392, 0.5762, 0.2948 looks on a white background.

Color Contrast Check

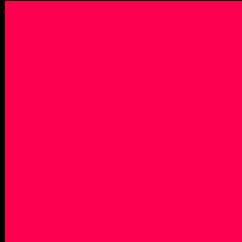
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8392, 0.5762, 0.2948 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 21.8392, 0.5762, 0.2948

Background



This preview shows how black text looks on a background with the Yxy color 21.8392, 0.5762, 0.2948.

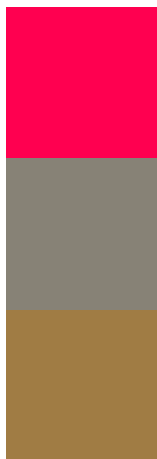


This preview shows how white text looks on a background with the Yxy color 21.8392, 0.5762, 0.2948.

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

21.8392, 0.5762, 0.2948

Protanopia

22.4242, 0.3319, 0.3503

Deuteranopia

22.3062, 0.4242, 0.4159



Tritanopia

22.1830, 0.6217, 0.3316

Trichromacy



Original Color

21.8392, 0.5762, 0.2948



Protanomaly

16.7697, 0.4317, 0.2994



Deuteranomaly

17.6619, 0.5064, 0.3378



Tritanomaly

21.7684, 0.6122, 0.3202

Monochromacy



Original Color

21.8392, 0.5762, 0.2948



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 21.8392, 0.5762, 0.2948 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 80) }
```

Border

The CSS property to change the border of an element to Yxy 21.8392, 0.5762, 0.2948 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, 80) }
```

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

```
.border{ border-color:rgb(255, 0, 80) }
```

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, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 0, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 21.8392, 0.5762, 0.2948 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, 80) }
```

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

```
.background{ background-color: rgb(255, 0,  
80) }
```

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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