

Converting Colors

$Yxy(20.3810, 0.5718, 0.2935)$

Have a look what the booklet for
Yxy(20.3810, 0.5718, 0.2935)
contains.

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Color

Yxy(20.4619, 0.5714, 0.2933)

Conversions

Conversions Part 1

Format	Color
Hex	F70550
RGB	247, 5, 80
RGB Percent	97%, 2%, 31%
CMY	0.0313, 0.9806, 0.6862
CMYK	0.00, 0.98, 0.68, 0.03
HSL	341°, 96%, 49%
HSV	341°, 98%, 97%
XYZ	39.8634, 20.4619, 9.4391
YIQ	85.9080, 120.1570, 74.6290

Conversions

Conversions Part 2

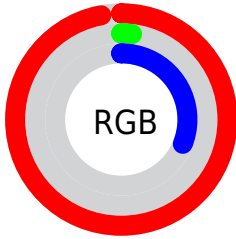
Format	Color
R_{YB}	247, 5, 80
Decimal	16188752
CIE _{Lab}	52.36, 79.63, 29.34
CIE _{LCh}	52, 84.864, 20.225
Yxy	20.4619, 0.5714, 0.2933
Android (android.graphics.Color)	4294378832 (0xFFFF70550)
YUV	85.9080, -2.9126, 141.2777
Hunter-Lab	45.2348, 78.1429, 19.2924

Details

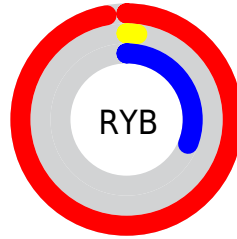
The Yxy color **20.4619, 0.5714, 0.2933** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark saturated red. A complement of this color would be **69.5377, 0.2539, 0.4330**, and the grayscale version is **9.2680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.3944, 0.4708, 0.2987**, and **10.0725, 0.6078, 0.3122** is the 20% darker color. If you saturate the color by 10%, you get **20.3062, 0.5771, 0.2953**, and if you desaturate by 10%, it is **21.5517, 0.5402, 0.2841**.

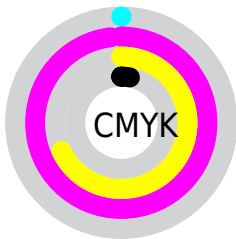
Distribution



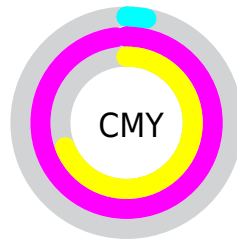
- Red (97%)
- Green (2%)
- Blue (31%)



- Red (97%)
- Yellow (2%)
- Blue (31%)



- Cyan (0%)
- Magenta (98%)
- Yellow (68%)
- Black (3%)





- Cyan (3%)
- Magenta (98%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4619, 0.5714, 0.2933 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 20.4619, 0.5714, 0.2933 by changing the saturation by 10% instead.


 20.4619, 0.5714,
0.2933


 20.4619, 0.5714,
0.2933


254.4048, 0.4272,
0.3228


 12.7312, 0.6100,
0.2812

 44.1902, 0.5164,
0.3074


 7.2437, 0.6593,
0.2628


 60.9567, 0.4964,
0.3116

 3.6150, 0.7241,
0.2342


 81.5039, 0.4799,
0.3148

 1.4606, 0.8107,
0.1893

 106.2163, 0.4659,
0.3172

 0.2608, 0.9210,
0.0790

 135.4781, 0.4541,
0.3191

 0.0000, 1.0000,
0.0000

 169.6739, 0.4439,

 0.0000, 0.0000,

0.3206

0.0000

209.1880, 0.4350,
0.3218

■ 20.4619, 0.5714,
0.2933

■ 20.4619, 0.5714,
0.2933

■ 20.3062, 0.5771,
0.2953

■ 21.5517, 0.5402,
0.2841

■ 23.6653, 0.5048,
0.2795

■ 27.0196, 0.4684,
0.2796

■ 31.7731, 0.4340,
0.2835

■ 38.0608, 0.4034,
0.2899

■ 46.0014, 0.3771,
0.2978

■ 55.7019, 0.3552,
0.3063

■ 67.2604, 0.3372,
0.3147

■ 80.7675, 0.3225,
0.3229

Harmonies

Analogous

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



20.4619, 0.4420, 0.2198



20.4619, 0.5714, 0.2933



20.4619, 0.5900, 0.3737

Triad

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



20.4619, 0.5714, 0.2933



20.4619, 0.2770, 0.6175



20.4619, 0.1127, 0.1378

Complementary

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



20.4619, 0.5714, 0.2933



69.5377, 0.2539, 0.4330

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.



20.4619, 0.0922, 0.1787



20.4619, 0.5714, 0.2933



20.4619, 0.1674, 0.4795

Square

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



20.4619, 0.5714, 0.2933



20.4619, 0.4010, 0.5780



20.4619, 0.1058, 0.2865



20.4619, 0.1711, 0.1354

Rectangle

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



20.4619, 0.5714, 0.2933



20.4619, 0.5482, 0.4363



20.4619, 0.1058, 0.2865



20.4619, 0.1022, 0.1462

Sweetspot

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



20.4632, 0.5714, 0.2933



58.6867, 0.3573, 0.3054



15.4102, 0.2425, 0.1116



11.5756, 0.3664, 0.3017



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.



20.4632, 0.5714, 0.2933



21.8254, 0.5776, 0.2955



22.0119, 0.6189, 0.3449



16.5671, 0.3245, 0.3217



10.7605, 0.5728, 0.2929



0.9634, 0.5374, 0.2734

Inverse Universe

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



20.4632, 0.5714, 0.2933



21.8254, 0.5776, 0.2955



49.2879, 0.2084, 0.2695



16.5671, 0.3245, 0.3217



10.7605, 0.5728, 0.2929



0.9634, 0.5374, 0.2734

Previews

White Background



This preview shows how the Yxy color 20.4619, 0.5714, 0.2933 looks on a white background.

Color Contrast Check

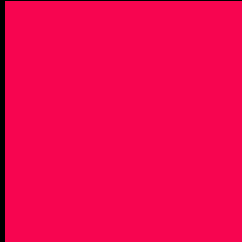
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4619, 0.5714, 0.2933 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 20.4619, 0.5714, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 20.4619, 0.5714, 0.2933.

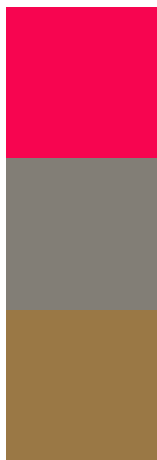


This preview shows how white text looks on a background with the Yxy color 20.4619, 0.5714, 0.2933.

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

20.4619, 0.5714, 0.2933

Protanopia

20.9755, 0.3266, 0.3436

Deuteranopia

20.7326, 0.4192, 0.4116



Tritanopia

20.7644, 0.6193, 0.3318

Trichromacy



Original Color

20.4619, 0.5714, 0.2933



Protanomaly

15.9183, 0.4241, 0.2968



Deuteranomaly

16.6212, 0.4983, 0.3358



Tritanomaly

20.4109, 0.6084, 0.3198

Monochromacy



Original Color

20.4619, 0.5714, 0.2933



Achromatopsia

9.3059, 0.3127, 0.3290



Achromatomaly

9.5861, 0.4363, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4619, 0.5714, 0.2933 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(247, 5, 80)` looks like.

```
.text, #text, p{  
  color:rgb(247, 5, 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(247, 5, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 5, 80) }
```

Border

The CSS property to change the border of an element to Yxy 20.4619, 0.5714, 0.2933 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(247, 5, 80) }
```

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

```
.border{ border-color:rgb(247, 5, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 5, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 5, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 5, 80);  
box-shadow:4px 4px 4px 4px rgb(247, 5, 80)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.4619, 0.5714, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 5, 80) }
```

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

```
.background{ background-color: rgb(247, 5,  
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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