

Converting Colors

$Y_{xy}(23.5170, 0.5229, 0.2753)$

Have a look what the booklet for
Yxy(23.5170, 0.5229, 0.2753)
contains.

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Color

Yxy(23.4954, 0.5231, 0.2752)

Conversions

Conversions Part 1

Format	Color
Hex	FF216F
RGB	255, 33, 111
RGB Percent	100%, 13%, 44%
CMY	0.0000, 0.8708, 0.5647
CMYK	0.00, 0.87, 0.56, 0.00
HSL	339°, 100%, 56%
HSV	339°, 87%, 100%
XYZ	44.6600, 23.4954, 17.2203
YIQ	108.2700, 107.2740, 71.3220

Conversions

Conversions Part 2

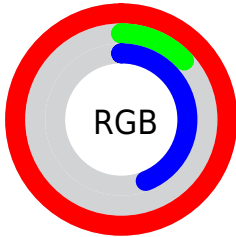
Format	Color
R _Y B	255, 33, 111
Decimal	16720239
CIE Lab	55.58, 80.18, 15.25
CIE LCh	56, 81.622, 10.771
Yxy	23.4954, 0.5231, 0.2752
Android (android.graphics.Color)	4294910319 (0xFFFF216F)
YUV	108.2700, 1.3459, 128.6822
Hunter-Lab	48.4721, 79.6360, 12.8669

Details

The Yxy color **23.4954, 0.5231, 0.2752** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark washed rose. A complement of this color would be **75.0142, 0.2561, 0.4335**, and the grayscale version is **15.0387, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.5938, 0.4224, 0.2750**, and **11.4465, 0.5640, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **22.2380, 0.5537, 0.2840**, and if you desaturate by 10%, it is **25.8770, 0.4893, 0.2715**.

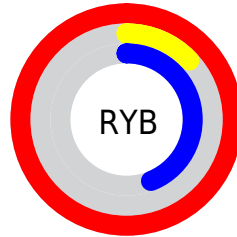
Distribution



Red (100%)

Green (13%)

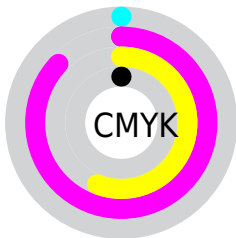
Blue (44%)



Red (100%)

Yellow (13%)

Blue (44%)

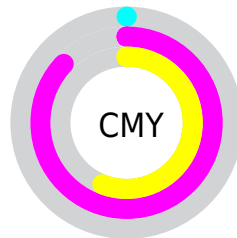


Cyan (0%)

Magenta (87%)

Yellow (56%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4954, 0.5231, 0.2752 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 23.4954, 0.5231, 0.2752 by changing the saturation by 10% instead.


 23.4954, 0.5231,
0.2752


 23.4954, 0.5231,
0.2752


270.2594, 0.4071,
0.3089


 14.9597, 0.5548,
0.2644


 49.2055, 0.4787,
0.2892


 8.7911, 0.5966,
0.2492


 67.1487, 0.4626,
0.2939

 4.6052, 0.6531,
0.2266

 88.9966, 0.4494,
0.2977

 2.0175, 0.7312,
0.1917

 115.1335, 0.4382,
0.3008

 0.6176, 0.8648,
0.1352

 145.9438, 0.4287,
0.3033

 0.0000, 1.0000,
0.0000

181.8120, 0.4205,

 0.0000, 0.0000,

0.3055

0.0000

223.1224, 0.4133,
0.3073

■ 23.4954, 0.5231,
0.2752

■ 23.4954, 0.5231,
0.2752

■ 22.2380, 0.5537,
0.2840

■ 25.8770, 0.4893,
0.2715


■ 21.9921, 0.5621,
0.2870

■ 29.6072, 0.4554,
0.2727

■ 34.8508, 0.4236,
0.2778

■ 41.7513, 0.3955,
0.2854

■ 50.4351, 0.3713,
0.2945

 61.0165, 0.3511,
0.3041

 73.5999, 0.3344,
0.3137

 88.2821, 0.3208,
0.3228

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.4954, 0.3848, 0.2074



23.4954, 0.5231, 0.2752



23.4954, 0.5781, 0.3517

Triad

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



23.4954, 0.5231, 0.2752



23.4954, 0.3215, 0.5976



23.4954, 0.1131, 0.1565

Complementary

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



23.4954, 0.5231, 0.2752



75.0142, 0.2561, 0.4335

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.



23.4954, 0.1038, 0.2136



23.4954, 0.5231, 0.2752



23.4954, 0.2088, 0.5202

Square

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



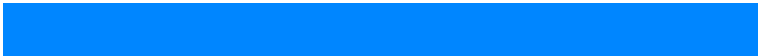
23.4954, 0.5231, 0.2752



23.4954, 0.4382, 0.5367



23.4954, 0.1315, 0.3413



23.4954, 0.1572, 0.1431

Rectangle

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



23.4954, 0.5231, 0.2752



23.4954, 0.5584, 0.4080



23.4954, 0.1315, 0.3413



23.4954, 0.1064, 0.1695

Sweetspot

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



23.4921, 0.5231, 0.2752



62.2800, 0.3491, 0.3052



17.2547, 0.2409, 0.1156



12.4826, 0.3556, 0.3018



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.



23.4921, 0.5231, 0.2752



21.9921, 0.5621, 0.2870



24.8746, 0.6001, 0.3450



18.0925, 0.3239, 0.3207



11.5168, 0.5577, 0.2846



1.1411, 0.5262, 0.2673

Inverse Universe

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



23.4921, 0.5231, 0.2752



21.9921, 0.5621, 0.2870



61.6050, 0.2162, 0.2914



18.0925, 0.3239, 0.3207



11.5168, 0.5577, 0.2846



1.1411, 0.5262, 0.2673

Previews

White Background



This preview shows how the Yxy color 23.4954, 0.5231, 0.2752 looks on a white background.

Color Contrast Check

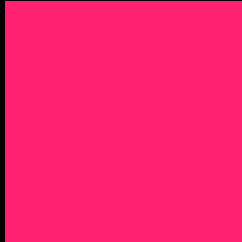
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4954, 0.5231, 0.2752 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 23.4954, 0.5231, 0.2752

Background



This preview shows how black text looks on a background with the Yxy color 23.4954, 0.5231, 0.2752.



This preview shows how white text looks on a background with the Yxy color 23.4954, 0.5231, 0.2752.

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

23.4954, 0.5231, 0.2752

Protanopia

23.6040, 0.2845, 0.2871

Deuteranopia

23.5460, 0.3798, 0.3731



Tritanopia

23.5957, 0.5914, 0.3293

Trichromacy



Original Color

23.4954, 0.5231, 0.2752



Protanomaly

19.3732, 0.3637, 0.2650



Deuteranomaly

20.1861, 0.4418, 0.3134



Tritanomaly

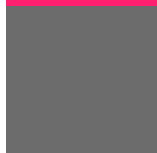
23.4420, 0.5723, 0.3116

Monochromacy



Original Color

23.4954, 0.5231, 0.2752



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.5661, 0.3987, 0.2847

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4954, 0.5231, 0.2752 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, 33, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 33, 111)  
}
```

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, 33, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 33, 111) }
```

Border

The CSS property to change the border of an element to Yxy 23.4954, 0.5231, 0.2752 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, 33, 111) }
```

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

```
.border{ border-color:rgb(255, 33, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 33, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 33, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 33, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 33,  
111) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.4954, 0.5231, 0.2752$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 33, 111) }
```

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

```
.background{ background-color: rgb(255, 33,  
111) }
```

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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