

Converting Colors

$Y_{xy}(23.5539, 0.4955, 0.2563)$

Have a look what the booklet for
Yxy(23.5539, 0.4955, 0.2563)
contains.

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Color

Yxy(23.5838, 0.4949, 0.2561)

Conversions

Conversions Part 1

Format	Color
Hex	FF1A81
RGB	255, 26, 129
RGB Percent	100%, 10%, 51%
CMY	0.0000, 0.8980, 0.4940
CMYK	0.00, 0.90, 0.49, 0.00
HSL	333°, 100%, 55%
HSV	333°, 90%, 100%
XYZ	45.5745, 23.5838, 22.9300
YIQ	106.2130, 103.4210, 80.5810

Conversions

Conversions Part 2

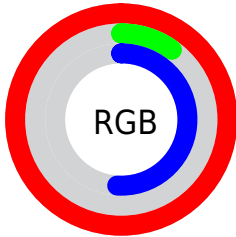
Format	Color
R_{YB}	255, 26, 129
Decimal	16718465
CIE _{Lab}	55.67, 82.43, 4.58
CIE _{LCh}	56, 82.559, 3.178
Yxy	23.5838, 0.4949, 0.2561
Android (android.graphics.Color)	4294908545 (0xFFFF1A81)
YUV	106.2130, 11.2340, 130.4862
Hunter-Lab	48.5632, 82.5292, 5.9994

Details

The Yxy color **23.5838, 0.4949, 0.2561** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **74.0056, 0.2655, 0.4695**, and the grayscale version is **14.4225, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.9455, 0.3977, 0.2534**, and **11.6556, 0.5306, 0.2697** is the 20% darker color. If you saturate the color by 10%, you get **22.5088, 0.5212, 0.2646**, and if you desaturate by 10%, it is **25.6565, 0.4669, 0.2527**.

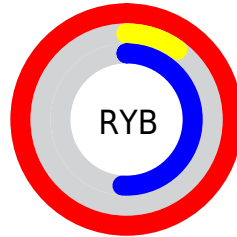
Distribution



Red (100%)

Green (10%)

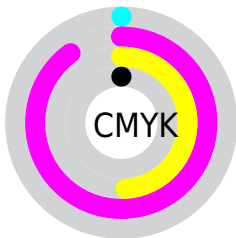
Blue (51%)



Red (100%)

Yellow (10%)

Blue (51%)

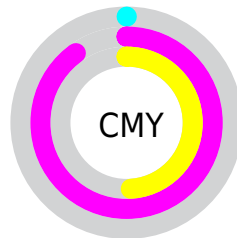


Cyan (0%)

Magenta (90%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.5838, 0.4949, 0.2561 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 23.5838, 0.4949, 0.2561 by changing the saturation by 10% instead.


 23.5838, 0.4949,
0.2561


 23.5838, 0.4949,
0.2561


270.7095, 0.3950,
0.2971


 15.0252, 0.5224,
0.2444


 49.3502, 0.4566,
0.2721

 8.8371, 0.5589,
0.2286


 67.3267, 0.4428,
0.2778

 4.6351, 0.6092,
0.2064

 89.2113, 0.4314,
0.2825

 2.0348, 0.6810,
0.1736

 115.3884, 0.4218,
0.2864

 0.6276, 0.8066,
0.1225

 146.2424, 0.4136,
0.2897

 0.0000, 1.0000,
0.0000

182.1576, 0.4065,

 0.0000, 0.0000,

0.2925

0.0000

223.5185, 0.4004,
0.2950

■ 23.5838, 0.4949,
0.2561

■ 23.5838, 0.4949,
0.2561

■ 22.5088, 0.5212,
0.2646

■ 25.6565, 0.4669,
0.2527

■ 22.4916, 0.5217,
0.2647

■ 29.0050, 0.4389,
0.2547

■ 33.8059, 0.4124,
0.2610

■ 40.2070, 0.3884,
0.2705

■ 48.3378, 0.3675,
0.2818

■ 58.3141, 0.3498,
0.2939

■ 70.2420, 0.3349,
0.3062

■ 84.2193, 0.3227,
0.3180

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.



23.5838, 0.3468, 0.1921



23.5838, 0.4949, 0.2561



23.5838, 0.5768, 0.3312

Triad

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



23.5838, 0.4949, 0.2561



23.5838, 0.3511, 0.5936



23.5838, 0.1064, 0.1646

Complementary

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



23.5838, 0.4949, 0.2561



74.0056, 0.2655, 0.4695

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.



23.5838, 0.1054, 0.2371



23.5838, 0.4949, 0.2561



23.5838, 0.2344, 0.5584

Square

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



23.5838, 0.4949, 0.2561



23.5838, 0.4663, 0.5131



23.5838, 0.1447, 0.3863



23.5838, 0.1411, 0.1421

Rectangle

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



23.5838, 0.4949, 0.2561



23.5838, 0.5722, 0.3855



23.5838, 0.1447, 0.3863



23.5838, 0.1024, 0.1818

Sweetspot

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



23.5846, 0.4949, 0.2561



61.4574, 0.3454, 0.2974



14.6294, 0.2212, 0.1032



12.3395, 0.3508, 0.2932



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.



23.5846, 0.4949, 0.2561



22.4916, 0.5217, 0.2647



22.6859, 0.6198, 0.3340



18.1230, 0.3223, 0.3184



11.7815, 0.5177, 0.2625



1.1688, 0.4896, 0.2471

Inverse Universe

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



23.5846, 0.4949, 0.2561



22.4916, 0.5217, 0.2647



71.8705, 0.2220, 0.3147



18.1230, 0.3223, 0.3184



11.7815, 0.5177, 0.2625



1.1688, 0.4896, 0.2471

Previews

White Background



This preview shows how the Yxy color 23.5838, 0.4949, 0.2561 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 23.5838, 0.4949, 0.2561 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

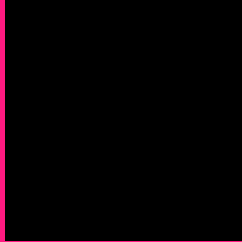
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.5838, 0.4949, 0.2561

Background



This preview shows how black text looks on a background with the Yxy color 23.5838, 0.4949, 0.2561.



This preview shows how white text looks on a background with the Yxy color 23.5838, 0.4949, 0.2561.

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

23.5838, 0.4949, 0.2561

Protanopia

23.8852, 0.2525, 0.2461

Deuteranopia

23.7078, 0.3518, 0.3456



Tritanopia

23.7133, 0.5862, 0.3292

Trichromacy



Original Color

23.5838, 0.4949, 0.2561



Protanomaly

18.8339, 0.3227, 0.2271



Deuteranomaly

19.9032, 0.4092, 0.2869



Tritanomaly

23.3085, 0.5603, 0.3039

Monochromacy



Original Color

23.5838, 0.4949, 0.2561



Achromatopsia

14.4128, 0.3127, 0.3290



Achromatomaly

13.9962, 0.3902, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.5838, 0.4949, 0.2561 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, 26, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 129)  
}
```

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, 26, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 129) }
```

Border

The CSS property to change the border of an element to Yxy 23.5838, 0.4949, 0.2561 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, 26, 129) }
```

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

```
.border{ border-color:rgb(255, 26, 129) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.5838, 0.4949, 0.2561$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 129) }
```

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

```
.background{ background-color: rgb(255, 26,  
129) }
```

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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