

Converting Colors

$Yxy(23.8407, 0.4914, 0.2560)$

Have a look what the booklet for
Yxy(23.8407, 0.4914, 0.2560)
contains.

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Color

Yxy(23.8787, 0.4908, 0.2557)

Conversions

Conversions Part 1

Format	Color
Hex	FF1F83
RGB	255, 31, 131
RGB Percent	100%, 12%, 51%
CMY	0.0000, 0.8787, 0.4862
CMYK	0.00, 0.88, 0.49, 0.00
HSL	333°, 100%, 56%
HSV	333°, 88%, 100%
XYZ	45.8337, 23.8787, 23.6733
YIQ	109.3760, 101.4040, 78.5880

Conversions

Conversions Part 2

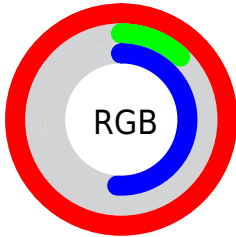
Format	Color
R_{YB}	255, 31, 131
Decimal	16719747
CIE _{Lab}	55.97, 81.89, 3.82
CIE _{LCh}	56, 81.980, 2.669
Yxy	23.8787, 0.4908, 0.2557
Android (android.graphics.Color)	4294909827 (0xFFFF1F83)
YUV	109.3760, 10.6606, 127.7122
Hunter-Lab	48.8658, 81.9087, 5.4828

Details

The Yxy color **23.8787, 0.4908, 0.2557** 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 **74.1743, 0.2648, 0.4651**, and the grayscale version is **15.3426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.4458, 0.3947, 0.2532**, and **11.8157, 0.5273, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **22.6604, 0.5175, 0.2635**, and if you desaturate by 10%, it is **26.1796, 0.4625, 0.2533**.

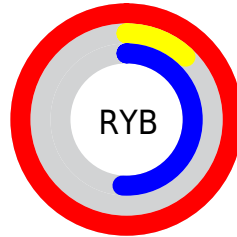
Distribution



Red (100%)

Green (12%)

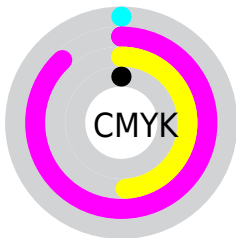
Blue (51%)



Red (100%)

Yellow (12%)

Blue (51%)

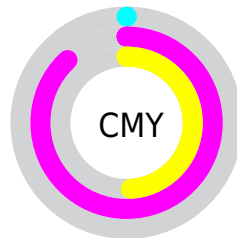


Cyan (0%)

Magenta (88%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (88%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8787, 0.4908, 0.2557 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 23.8787, 0.4908, 0.2557 by changing the saturation by 10% instead.


 23.8787, 0.4908,
0.2557


 23.8787, 0.4908,
0.2557


272.2067, 0.3933,
0.2967


 15.2437, 0.5176,
0.2441


 49.8322, 0.4535,
0.2716


 8.9906, 0.5531,
0.2285


 67.9194, 0.4400,
0.2773

 4.7350, 0.6021,
0.2066

 89.9262, 0.4289,
0.2820

 2.0927, 0.6723,
0.1745

 116.2369, 0.4195,
0.2859

 0.6605, 0.7900,
0.1247

 147.2359, 0.4115,
0.2892

 0.0000, 1.0000,
0.0000

183.3076, 0.4046,

 0.0000, 0.0000,

0.2920

0.0000

224.8364, 0.3986,
0.2945

■ 23.8787, 0.4908,
0.2557

■ 23.8787, 0.4908,
0.2557

■ 22.6604, 0.5175,
0.2635

■ 26.1796, 0.4625,
0.2533

■ 22.4726, 0.5231,
0.2655


■ 29.7972, 0.4344,
0.2561


■ 34.8982, 0.4081,
0.2632

■ 41.6264, 0.3846,
0.2730

■ 50.1083, 0.3642,
0.2844

 60.4577, 0.3469,
0.2965

 72.7789, 0.3325,
0.3086

 87.1683, 0.3206,
0.3203

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.



23.8787, 0.3441, 0.1923



23.8787, 0.4908, 0.2557



23.8787, 0.5738, 0.3304

Triad

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



23.8787, 0.4908, 0.2557



23.8787, 0.3536, 0.5903



23.8787, 0.1075, 0.1668

Complementary

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



23.8787, 0.4908, 0.2557



74.1743, 0.2648, 0.4651

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.



23.8787, 0.1073, 0.2401



23.8787, 0.4908, 0.2557



23.8787, 0.2374, 0.5574

Square

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



23.8787, 0.4908, 0.2557



23.8787, 0.4676, 0.5106



23.8787, 0.1474, 0.3889



23.8787, 0.1415, 0.1435

Rectangle

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



23.8787, 0.4908, 0.2557



23.8787, 0.5708, 0.3845



23.8787, 0.1474, 0.3889



23.8787, 0.1037, 0.1843

Sweetspot

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



23.8761, 0.4908, 0.2557



62.6047, 0.3440, 0.2988



15.0839, 0.2233, 0.1056



12.5588, 0.3495, 0.2946



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.



23.8761, 0.4908, 0.2557



22.4726, 0.5231, 0.2655



23.0247, 0.6147, 0.3344



18.1219, 0.3224, 0.3184



11.7715, 0.5190, 0.2633



1.1678, 0.4908, 0.2478

Inverse Universe

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



23.8761, 0.4908, 0.2557



22.4726, 0.5231, 0.2655



72.0897, 0.2224, 0.3150



18.1219, 0.3224, 0.3184



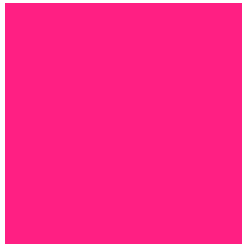
11.7715, 0.5190, 0.2633



1.1678, 0.4908, 0.2478

Previews

White Background



This preview shows how the Yxy color 23.8787, 0.4908, 0.2557 looks on a white background.

Color Contrast Check

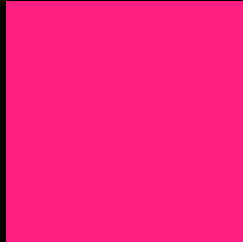
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8787, 0.4908, 0.2557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

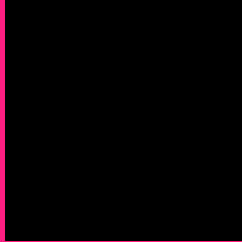
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8787, 0.4908, 0.2557

Background



This preview shows how black text looks on a background with the Yxy color 23.8787, 0.4908, 0.2557.



This preview shows how white text looks on a background with the Yxy color 23.8787, 0.4908, 0.2557.

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

23.8787, 0.4908, 0.2557

Protanopia

24.1998, 0.2520, 0.2464

Deuteranopia

24.1180, 0.3503, 0.3439



Tritanopia

23.8511, 0.5808, 0.3292

Trichromacy



Original Color

23.8787, 0.4908, 0.2557



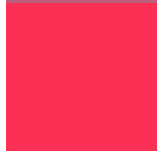
Protanomaly

19.4072, 0.3212, 0.2298



Deuteranomaly

20.4332, 0.4065, 0.2870



Tritanomaly

23.4652, 0.5551, 0.3041

Monochromacy



Original Color

23.8787, 0.4908, 0.2557



Achromatopsia

15.2926, 0.3127, 0.3290



Achromatomaly

14.8506, 0.3864, 0.2725

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8787, 0.4908, 0.2557 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, 31, 131)` looks like.

```
.text, #text, p{  
  color:rgb(255, 31, 131)  
}
```

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, 31, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 131) }
```

Border

The CSS property to change the border of an element to Yxy 23.8787, 0.4908, 0.2557 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, 31, 131) }
```

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

```
.border{ border-color:rgb(255, 31, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 31, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8787, 0.4908, 0.2557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 131) }
```

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

```
.background{ background-color: rgb(255, 31,  
131) }
```

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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