

Converting Colors

$Y_{xy}(23.9280, 0.4992, 0.2670)$

Have a look what the booklet for
Yxy(23.9280, 0.4992, 0.2670)
contains.

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Color

Yxy(23.8533, 0.4985, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	FC2B7B
RGB	252, 43, 123
RGB Percent	99%, 17%, 48%
CMY	0.0118, 0.8313, 0.5176
CMYK	0.00, 0.83, 0.51, 0.01
HSL	337°, 97%, 58%
HSV	337°, 83%, 99%
XYZ	44.5852, 23.8533, 21.0002
YIQ	114.6110, 98.8840, 69.1880

Conversions

Conversions Part 2

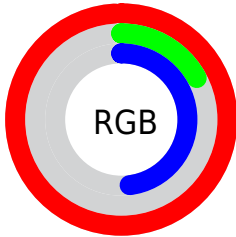
Format	Color
R_{YB}	252, 43, 123
Decimal	16526203
CIE _{Lab}	55.94, 78.41, 8.48
CIE _{LCh}	56, 78.865, 6.174
Yxy	23.8533, 0.4985, 0.2667
Android (android.graphics.Color)	4294716283 (0xFFFC2B7B)
YUV	114.6110, 4.1358, 120.4902
Hunter-Lab	48.8398, 77.4804, 8.6943

Details

The Yxy color **23.8533, 0.4985, 0.2667** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **73.1130, 0.2587, 0.4372**, and the grayscale version is **16.9880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1654, 0.4045, 0.2665**, and **11.3268, 0.5395, 0.2746** is the 20% darker color. If you saturate the color by 10%, you get **22.1935, 0.5295, 0.2730**, and if you desaturate by 10%, it is **26.7070, 0.4662, 0.2657**.

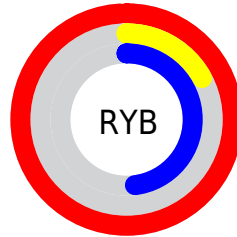
Distribution



Red (99%)

Green (17%)

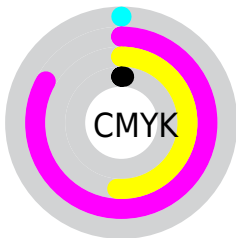
Blue (48%)



Red (99%)

Yellow (17%)

Blue (48%)

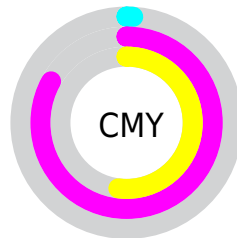


Cyan (0%)

Magenta (83%)

Yellow (51%)

Black (1%)



Cyan (1%)


Magenta (83%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8533, 0.4985, 0.2667 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 23.8533, 0.4985, 0.2667 by changing the saturation by 10% instead.


 23.8533, 0.4985,
0.2667


 23.8533, 0.4985,
0.2667


272.0780, 0.3963,
0.3030

 15.2248, 0.5267,
0.2559


 49.7907, 0.4593,
0.2811


 8.9773, 0.5641,
0.2411

 67.8684, 0.4452,
0.2862

 4.7264, 0.6156,
0.2198

 89.8647, 0.4335,
0.2903

 2.0876, 0.6889,
0.1875

 116.1639, 0.4237,
0.2937

 0.6577, 0.8345,
0.1394

 147.1504, 0.4153,
0.2966

 0.0000, 1.0000,
0.0000

183.2087, 0.4081,

 0.0000, 0.0000,

0.2990

0.0000

224.7231, 0.4018,
0.3011

■ 23.8533, 0.4985,
0.2667

■ 23.8533, 0.4985,
0.2667

■ 22.1935, 0.5295,
0.2730

■ 26.7070, 0.4662,
0.2657

■ 21.5488, 0.5495,
0.2801


■ 30.9340, 0.4349,
0.2694

■ 36.6870, 0.4063,
0.2764


■ 44.0976, 0.3813,
0.2856

■ 53.2826, 0.3600,
0.2958

 64.3486, 0.3423,
0.3063

 77.3935, 0.3277,
0.3165

 92.5083, 0.3158,
0.3263

 99.4355, 0.3109,
0.3290

Harmonies

Analogous

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



23.8533, 0.3602, 0.2023



23.8533, 0.4985, 0.2667



23.8533, 0.5681, 0.3413

Triad

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



23.8533, 0.4985, 0.2667



23.8533, 0.3414, 0.5851



23.8533, 0.1145, 0.1668

Complementary

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



23.8533, 0.4985, 0.2667



73.1130, 0.2587, 0.4372

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.



23.8533, 0.1107, 0.2321



23.8533, 0.4985, 0.2667



23.8533, 0.2289, 0.5330

Square

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



23.8533, 0.4985, 0.2667



23.8533, 0.4534, 0.5185



23.8533, 0.1455, 0.3671



23.8533, 0.1524, 0.1478

Rectangle

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



23.8533, 0.4985, 0.2667



23.8533, 0.5593, 0.3955



23.8533, 0.1455, 0.3671



23.8533, 0.1096, 0.1822

Sweetspot

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



23.8547, 0.4985, 0.2667



63.5709, 0.3457, 0.3041



17.5149, 0.2417, 0.1195



12.7343, 0.3518, 0.3004



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.



23.8547, 0.4985, 0.2667



22.1348, 0.5497, 0.2802



24.9313, 0.5886, 0.3444



17.3352, 0.3234, 0.3200



11.2515, 0.5451, 0.2777



1.0621, 0.5129, 0.2599

Inverse Universe

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



23.8547, 0.4985, 0.2667



22.1348, 0.5497, 0.2802



62.8191, 0.2192, 0.2980



17.3352, 0.3234, 0.3200



11.2515, 0.5451, 0.2777



1.0621, 0.5129, 0.2599

Previews

White Background



This preview shows how the Yxy color 23.8533, 0.4985, 0.2667 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 23.8533, 0.4985, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

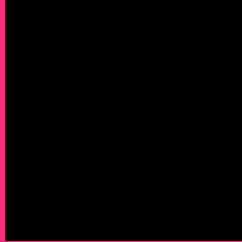
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8533, 0.4985, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 23.8533, 0.4985, 0.2667.



This preview shows how white text looks on a background with the Yxy color 23.8533, 0.4985, 0.2667.

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

23.8533, 0.4985, 0.2667

Protanopia

24.0753, 0.2683, 0.2670

Deuteranopia

23.8613, 0.3626, 0.3553



Tritanopia

23.8361, 0.5736, 0.3284

Trichromacy



Original Color

23.8533, 0.4985, 0.2667



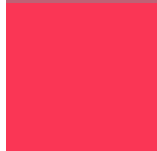
Protanomaly

20.1054, 0.3385, 0.2503



Deuteranomaly

20.9669, 0.4168, 0.3033



Tritanomaly

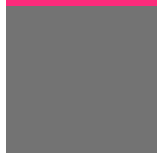
23.6182, 0.5510, 0.3070

Monochromacy



Original Color

23.8533, 0.4985, 0.2667



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

16.4521, 0.3859, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8533, 0.4985, 0.2667 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(252, 43, 123)` looks like.

```
.text, #text, p{  
    color:rgb(252, 43, 123)  
}
```

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(252, 43, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 43, 123) }
```

Border

The CSS property to change the border of an element to Yxy 23.8533, 0.4985, 0.2667 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(252, 43, 123) }
```

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

```
.border{ border-color:rgb(252, 43, 123) }
```

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

Here you see how a box with a 4 pixel rgb(252, 43, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 43, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 43, 123);  
box-shadow:4px 4px 4px 4px rgb(252, 43,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8533, 0.4985, 0.2667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 43, 123) }
```

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

```
.background{ background-color: rgb(252, 43,  
123) }
```

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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