

Converting Colors

$Y_{xy}(25.0535, 0.4867, 0.2627)$

Have a look what the booklet for
Yxy(25.0535, 0.4867, 0.2627)
contains.

Yxy(25.0953, 0.4867, 0.2631)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.0953, 0.4867, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	FF3183
RGB	255, 49, 131
RGB Percent	100%, 19%, 51%
CMY	0.0002, 0.8074, 0.4863
CMYK	0.00, 0.81, 0.49, 0.00
HSL	336°, 100%, 60%
HSV	336°, 81%, 100%
XYZ	46.4230, 25.0953, 23.8649
YIQ	119.9420, 96.4540, 69.1740

Conversions

Conversions Part 2

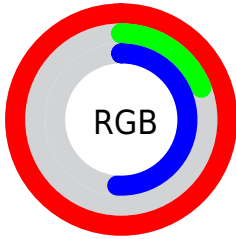
Format	Color
R_{YB}	255, 49, 131
Decimal	16724355
CIE _{Lab}	57.17, 78.38, 5.57
CIE _{LCh}	57, 78.580, 4.062
Yxy	25.0953, 0.4867, 0.2631
Android (android.graphics.Color)	4294914435 (0xFFFF3183)
YUV	119.9420, 5.4516, 118.4459
Hunter-Lab	50.0952, 77.7484, 6.8215

Details

The Yxy color **25.0953, 0.4867, 0.2631** 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 **75.1698, 0.2599, 0.4384**, and the grayscale version is **18.7399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4433, 0.3925, 0.2613**, and **11.8157, 0.5273, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **23.1422, 0.5174, 0.2680**, and if you desaturate by 10%, it is **28.3177, 0.4553, 0.2635**.

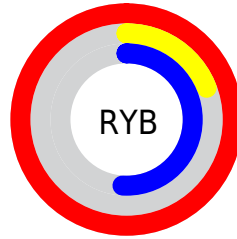
Distribution



Red (100%)

Green (19%)

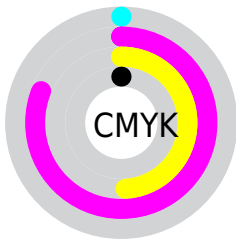
Blue (51%)



Red (100%)

Yellow (19%)

Blue (51%)

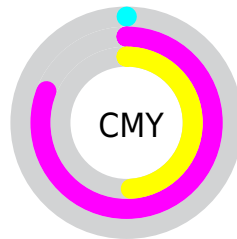


Cyan (0%)

Magenta (81%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (81%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0953, 0.4867, 0.2631 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 25.0953, 0.4867, 0.2631 by changing the saturation by 10% instead.


 25.0953, 0.4867,
0.2631


 25.0953, 0.4867,
0.2631


278.3122, 0.3918,
0.3003


 16.1481, 0.5126,
0.2525


 51.8118, 0.4505,
0.2776


 9.6290, 0.5470,
0.2381


 70.3498, 0.4374,
0.2828


 5.1537, 0.5944,
0.2178

 92.8536, 0.4265,
0.2870

 2.3377, 0.6620,
0.1877

 119.7075, 0.4174,
0.2905

 0.7936, 0.7725,
0.1424

 151.2959, 0.4096,
0.2935

 0.0000, 1.0000,
0.0000

188.0032, 0.4029,

 0.0000, 0.0000,

0.2961

0.0000

230.2139, 0.3970,
0.2983

■ 25.0953, 0.4867,
0.2631

■ 25.0953, 0.4867,
0.2631

■ 23.1422, 0.5174,
0.2680

■ 28.3177, 0.4553,
0.2635

■ 22.1996, 0.5436,
0.2768

■ 32.9850, 0.4254,
0.2683

■ 39.2490, 0.3983,
0.2763

■ 47.2412, 0.3748,
0.2862

■ 57.0791, 0.3549,
0.2969

68.8700, 0.3383,
0.3078

82.7128, 0.3246,
0.3183

98.6997, 0.3135,
0.3283

99.9921, 0.3127,
0.3290

Harmonies

Analogous

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



25.0953, 0.3496, 0.2005



25.0953, 0.4867, 0.2631



25.0953, 0.5620, 0.3368

Triad

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



25.0953, 0.4867, 0.2631



25.0953, 0.3502, 0.5784



25.0953, 0.1158, 0.1722

Complementary

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



25.0953, 0.4867, 0.2631



75.1698, 0.2599, 0.4384

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.



25.0953, 0.1145, 0.2411



25.0953, 0.4867, 0.2631



25.0953, 0.2383, 0.5367

Square

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



25.0953, 0.4867, 0.2631



25.0953, 0.4597, 0.5102



25.0953, 0.1526, 0.3784



25.0953, 0.1508, 0.1505

Rectangle

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



25.0953, 0.4867, 0.2631



25.0953, 0.5583, 0.3900



25.0953, 0.1526, 0.3784



25.0953, 0.1116, 0.1887

Sweetspot

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



25.0968, 0.4867, 0.2631



64.8240, 0.3434, 0.3042



18.2648, 0.2408, 0.1212



12.9764, 0.3493, 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.



25.0968, 0.4867, 0.2631



22.4673, 0.5353, 0.2738



25.8177, 0.5833, 0.3426



18.1068, 0.3231, 0.3196



11.6315, 0.5393, 0.2745



1.1534, 0.5091, 0.2578

Inverse Universe

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



25.0968, 0.4867, 0.2631



22.4673, 0.5353, 0.2738



66.9320, 0.2213, 0.3033



18.1068, 0.3231, 0.3196



11.6315, 0.5393, 0.2745



1.1534, 0.5091, 0.2578

Previews

White Background



This preview shows how the Yxy color 25.0953, 0.4867, 0.2631 looks on a white background.

Color Contrast Check

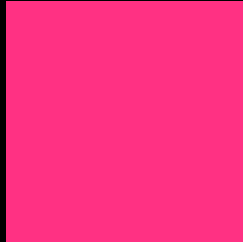
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.0953, 0.4867, 0.2631 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 25.0953, 0.4867, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 25.0953, 0.4867, 0.2631.



This preview shows how white text looks on a background with the Yxy color 25.0953, 0.4867, 0.2631.

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

25.0953, 0.4867, 0.2631

Protanopia

25.2986, 0.2633, 0.2607

Deuteranopia

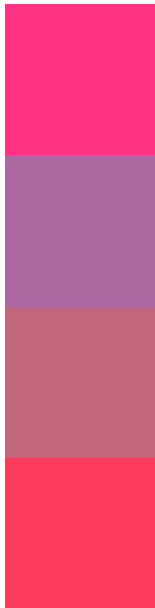
25.0511, 0.3545, 0.3468



Tritanopia

25.1520, 0.5634, 0.3276

Trichromacy



Original Color

25.0953, 0.4867, 0.2631

Protanomaly

21.3935, 0.3303, 0.2462

Deuteranomaly

22.3209, 0.4066, 0.2981

Tritanomaly

24.8871, 0.5402, 0.3052

Monochromacy



Original Color

25.0953, 0.4867, 0.2631

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

17.8957, 0.3801, 0.2834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0953, 0.4867, 0.2631 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, 49, 131)` looks like.

```
.text, #text, p{  
  color:rgb(255, 49, 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, 49, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 49, 131) }
```

Border

The CSS property to change the border of an element to Yxy 25.0953, 0.4867, 0.2631 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, 49, 131) }
```

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

```
.border{ border-color:rgb(255, 49, 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, 49, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 49, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 49, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 49,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0953, 0.4867, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 49, 131) }
```

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

```
.background{ background-color: rgb(255, 49,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor