

Converting Colors

$Yxy(36.7196, 0.5334, 0.2807)$

Have a look what the booklet for
Yxy(36.7196, 0.5334, 0.2807)
contains.

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Color

Yxy(24.5009, 0.4918, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	FF2A81
RGB	255, 42, 129
RGB Percent	100%, 16%, 51%
CMY	0.0000, 0.8351, 0.4943
CMYK	0.00, 0.84, 0.49, 0.00
HSL	336°, 100%, 58%
HSV	336°, 84%, 100%
XYZ	46.0258, 24.5009, 23.0597
YIQ	115.6050, 99.0210, 72.2130

Conversions

Conversions Part 2

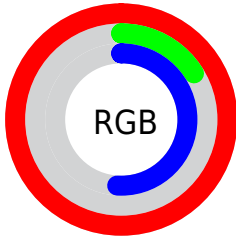
Format	Color
R_{YB}	255, 42, 129
Decimal	16722561
CIE _{Lab}	56.59, 79.77, 5.93
CIE _{LCh}	57, 79.987, 4.254
Yxy	24.5009, 0.4918, 0.2618
Android (android.graphics.Color)	4294912641 (0xFFFF2A81)
YUV	115.6050, 6.6037, 122.2494
Hunter-Lab	49.4984, 79.3549, 7.0276

Details

The Yxy color **24.5009, 0.4918, 0.2618** 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 **74.8373, 0.2609, 0.4459**, and the grayscale version is **17.3037, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4477, 0.3959, 0.2596**, and **11.7857, 0.5316, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **22.8575, 0.5214, 0.2681**, and if you desaturate by 10%, it is **27.3546, 0.4610, 0.2610**.

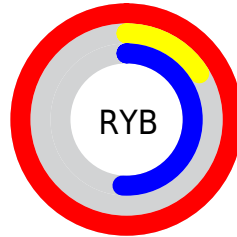
Distribution



Red (100%)

Green (16%)

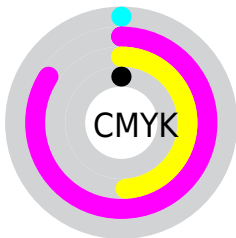
Blue (51%)



Red (100%)

Yellow (16%)

Blue (51%)

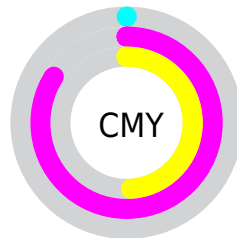


Cyan (0%)

Magenta (84%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (84%)

Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.5009, 0.4918, 0.2618 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 24.5009, 0.4918, 0.2618 by changing the saturation by 10% instead.


 24.5009, 0.4918,
0.2618


 24.5009, 0.4918,
0.2618


275.3432, 0.3939,
0.2999


 15.7056, 0.5186,
0.2509


 50.8464, 0.4543,
0.2767

 9.3161, 0.5543,
0.2360


 69.1653, 0.4408,
0.2820


 4.9479, 0.6032,
0.2150

 91.4276, 0.4296,
0.2863

 2.2167, 0.6731,
0.1837

 118.0177, 0.4202,
0.2900

 0.7291, 0.7922,
0.1367

 149.3199, 0.4122,
0.2930

 0.0000, 1.0000,
0.0000

185.7186, 0.4052,

 0.0000, 0.0000,

0.2956

0.0000

227.5982, 0.3992,
0.2979

■ 24.5009, 0.4918,
0.2618

■ 24.5009, 0.4918,
0.2618

■ 22.8575, 0.5214,
0.2681

■ 27.3546, 0.4610,
0.2610

■ 22.2589, 0.5393,
0.2744

■ 31.6055, 0.4311,
0.2649

■ 37.4121, 0.4038,
0.2724

■ 44.9104, 0.3797,
0.2822

■ 54.2213, 0.3592,
0.2930

65.4546, 0.3421,
0.3042

78.7112, 0.3279,
0.3151

94.0851, 0.3163,
0.3255

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



24.5009, 0.3511, 0.1984



24.5009, 0.4918, 0.2618



24.5009, 0.5678, 0.3361

Triad

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



24.5009, 0.4918, 0.2618



24.5009, 0.3486, 0.5846



24.5009, 0.1126, 0.1687

Complementary

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



24.5009, 0.4918, 0.2618



74.8373, 0.2609, 0.4459

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.



24.5009, 0.1109, 0.2379



24.5009, 0.4918, 0.2618



24.5009, 0.2351, 0.5423

Square

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



24.5009, 0.4918, 0.2618



24.5009, 0.4604, 0.5130



24.5009, 0.1487, 0.3782



24.5009, 0.1482, 0.1474

Rectangle

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



24.5009, 0.4918, 0.2618



24.5009, 0.5627, 0.3899



24.5009, 0.1487, 0.3782



24.5009, 0.1084, 0.1852

Sweetspot

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



24.5023, 0.4918, 0.2618



63.6545, 0.3445, 0.3025



17.0157, 0.2346, 0.1152



12.7540, 0.3503, 0.2986



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.



24.5023, 0.4918, 0.2618



22.2610, 0.5393, 0.2745



24.6370, 0.5961, 0.3395



18.1100, 0.3230, 0.3193



11.6597, 0.5351, 0.2721



1.1563, 0.5052, 0.2557

Inverse Universe

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



24.5023, 0.4918, 0.2618



22.2610, 0.5393, 0.2745



68.4235, 0.2214, 0.3068



18.1100, 0.3230, 0.3193



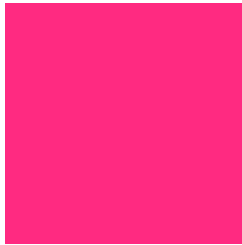
11.6597, 0.5351, 0.2721



1.1563, 0.5052, 0.2557

Previews

White Background



This preview shows how the Yxy color 24.5009, 0.4918, 0.2618 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 24.5009, 0.4918, 0.2618 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 24.5009, 0.4918, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 24.5009, 0.4918, 0.2618.



This preview shows how white text looks on a background with the Yxy color 24.5009, 0.4918, 0.2618.

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

24.5009, 0.4918, 0.2618

Protanopia

24.8677, 0.2613, 0.2588

Deuteranopia

24.5331, 0.3548, 0.3486



Tritanopia

24.6206, 0.5727, 0.3291

Trichromacy



Original Color

24.5009, 0.4918, 0.2618



Protanomaly

20.6512, 0.3307, 0.2430



Deuteranomaly

21.4301, 0.4085, 0.2965



Tritanomaly

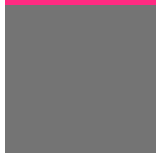
24.3196, 0.5483, 0.3056

Monochromacy



Original Color

24.5009, 0.4918, 0.2618



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.7407, 0.3839, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.5009, 0.4918, 0.2618 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, 42, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 42, 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, 42, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 42, 129) }
```

Border

The CSS property to change the border of an element to Yxy 24.5009, 0.4918, 0.2618 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, 42, 129) }
```

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

```
.border{ border-color:rgb(255, 42, 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, 42, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 42, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 42, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 42,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 24.5009, 0.4918, 0.2618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 42, 129) }
```

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

```
.background{ background-color: rgb(255, 42,  
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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