

Converting Colors

$Y_{xy}(25.4664, 0.4774, 0.2591)$

Have a look what the booklet for
Yxy(25.4664, 0.4774, 0.2591)
contains.

Yxy(25.4936, 0.4780, 0.2598)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4936, 0.4780, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	FF3488
RGB	255, 52, 136
RGB Percent	100%, 20%, 53%
CMY	0.0001, 0.7958, 0.4668
CMYK	0.00, 0.80, 0.47, 0.00
HSL	335°, 100%, 60%
HSV	335°, 80%, 100%
XYZ	46.9051, 25.4936, 25.7291
YIQ	122.2730, 94.0240, 69.1600

Conversions

Conversions Part 2

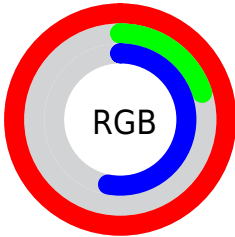
Format	Color
R_{YB}	255, 52, 136
Decimal	16725128
CIE Lab	57.55, 78.08, 3.17
CIE LCh	58, 78.146, 2.324
Yxy	25.4936, 0.4780, 0.2598
Android (android.graphics.Color)	4294915208 (0xFFFF3488)
YUV	122.2730, 6.7674, 116.4016
Hunter-Lab	50.4912, 77.4626, 5.1311

Details

The Yxy color **25.4936, 0.4780, 0.2598** 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 **75.1832, 0.2613, 0.4411**, and the grayscale version is **19.5203, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1278, 0.3862, 0.2582**, and **11.8946, 0.5164, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **23.4015, 0.5081, 0.2638**, and if you desaturate by 10%, it is **28.8755, 0.4477, 0.2611**.

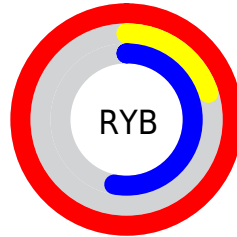
Distribution



Red (100%)

Green (20%)

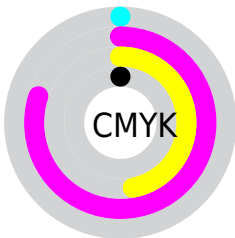
Blue (53%)



Red (100%)

Yellow (20%)

Blue (53%)

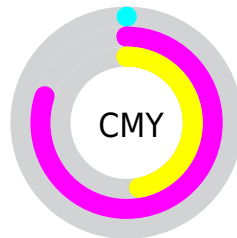


Cyan (0%)

Magenta (80%)

Yellow (47%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4936, 0.4780, 0.2598 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 25.4936, 0.4780, 0.2598 by changing the saturation by 10% instead.


 25.4936, 0.4780,
0.2598


 25.4936, 0.4780,
0.2598


280.2873, 0.3882,
0.2981

 16.4452, 0.5025,
0.2491


 52.4569, 0.4438,
0.2746


 9.8397, 0.5349,
0.2348


 71.1405, 0.4314,
0.2798

 5.2928, 0.5796,
0.2148

 93.8047, 0.4211,
0.2842

 2.4201, 0.6439,
0.1855

 120.8338, 0.4125,
0.2879

 0.8362, 0.7428,
0.1410

 152.6122, 0.4051,
0.2910

 0.0000, 1.0000,
0.0000

189.5243, 0.3987,

 0.0000, 0.0000,

0.2937

0.0000

231.9545, 0.3931,
0.2960

■ 25.4936, 0.4780,
0.2598

■ 25.4936, 0.4780,
0.2598

■ 23.4015, 0.5081,
0.2638

■ 28.8755, 0.4477,
0.2611

■ 22.3215, 0.5359,
0.2728

■ 33.7182, 0.4190,
0.2667

■ 22.2852, 0.5371,
0.2732

■ 40.1710, 0.3931,
0.2754

■ 48.3631, 0.3707,
0.2858

■ 58.4108, 0.3518,
0.2970

70.4201, 0.3360,
0.3082

84.4889, 0.3230,
0.3191

99.9965, 0.3127,
0.3290

Harmonies

Analogous

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



25.4936, 0.3413, 0.1986



25.4936, 0.4780, 0.2598



25.4936, 0.5580, 0.3328

Triad

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



25.4936, 0.4780, 0.2598



25.4936, 0.3571, 0.5741



25.4936, 0.1162, 0.1760

Complementary

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



25.4936, 0.4780, 0.2598



75.1832, 0.2613, 0.4411

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.



25.4936, 0.1170, 0.2481



25.4936, 0.4780, 0.2598



25.4936, 0.2454, 0.5405

Square

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



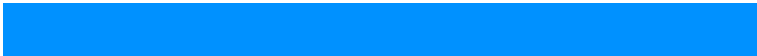
25.4936, 0.4780, 0.2598



25.4936, 0.4648, 0.5040



25.4936, 0.1578, 0.3877



25.4936, 0.1490, 0.1522

Rectangle

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



25.4936, 0.4780, 0.2598



25.4936, 0.5581, 0.3854



25.4936, 0.1578, 0.3877



25.4936, 0.1127, 0.1935

Sweetspot

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



25.4951, 0.4780, 0.2598



64.8746, 0.3426, 0.3033



18.2752, 0.2389, 0.1215



12.9885, 0.3484, 0.2993



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.



25.4951, 0.4780, 0.2598



22.7319, 0.5235, 0.2683



25.7583, 0.5814, 0.3405



18.1116, 0.3229, 0.3192



11.6745, 0.5329, 0.2709



1.1578, 0.5032, 0.2546

Inverse Universe

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



25.4951, 0.4780, 0.2598



22.7319, 0.5235, 0.2683



69.1415, 0.2230, 0.3080



18.1116, 0.3229, 0.3192



11.6745, 0.5329, 0.2709



1.1578, 0.5032, 0.2546

Previews

White Background



This preview shows how the Yxy color 25.4936, 0.4780, 0.2598 looks on a white background.

Color Contrast Check

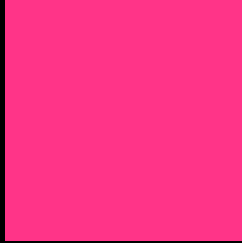
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4936, 0.4780, 0.2598 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 25.4936, 0.4780, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 25.4936, 0.4780, 0.2598.



This preview shows how white text looks on a background with the Yxy color 25.4936, 0.4780, 0.2598.

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

25.4936, 0.4780, 0.2598

Protanopia

25.7541, 0.2580, 0.2540

Deuteranopia

25.6245, 0.3470, 0.3419



Tritanopia

25.5568, 0.5579, 0.3275

Trichromacy



Original Color

25.4936, 0.4780, 0.2598



Protanomaly

21.8687, 0.3229, 0.2423



Deuteranomaly

22.7188, 0.3973, 0.2938



Tritanomaly

25.2822, 0.5331, 0.3036

Monochromacy



Original Color

25.4936, 0.4780, 0.2598



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

18.6277, 0.3758, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4936, 0.4780, 0.2598 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, 52, 136)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 136)  
}
```

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, 52, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 136) }
```

Border

The CSS property to change the border of an element to Yxy 25.4936, 0.4780, 0.2598 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, 52, 136) }
```

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

```
.border{ border-color:rgb(255, 52, 136) }
```

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

Here you see how a box with a 4 pixel rgb(255, 52, 136) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4936, 0.4780, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 136) }
```

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

```
.background{ background-color: rgb(255, 52,  
136) }
```

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