

Converting Colors

$Y_{xy}(25.4243, 0.4565, 0.2430)$

Have a look what the booklet for
Yxy(25.4243, 0.4565, 0.2430)
contains.

Yxy(25.4160, 0.4572, 0.2435)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.4160, 0.4572, 0.2435)

Conversions

Conversions Part 1

Format	Color
Hex	FF2E96
RGB	255, 46, 150
RGB Percent	100%, 18%, 59%
CMY	0.0000, 0.8195, 0.4118
CMYK	0.00, 0.82, 0.41, 0.00
HSL	330°, 100%, 59%
HSV	330°, 82%, 100%
XYZ	47.7215, 25.4160, 31.2403
YIQ	120.3470, 91.1800, 76.6520

Conversions

Conversions Part 2

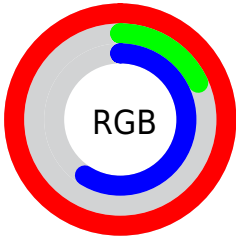
Format	Color
R _Y B	255, 46, 150
Decimal	16723606
CIE Lab	57.48, 80.68, -5.22
CIE LCh	57, 80.852, 356.295
Yxy	25.4160, 0.4572, 0.2435
Android (android.graphics.Color)	4294913686 (0xFFFF2E96)
YUV	120.3470, 14.6189, 118.0907
Hunter-Lab	50.4143, 80.7409, -1.4503

Details

The Yxy color **25.4160, 0.4572, 0.2435** 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 **74.3367, 0.2685, 0.4698**, and the grayscale version is **18.8330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1104, 0.3698, 0.2414**, and **12.1073, 0.4899, 0.2472** is the 20% darker color. If you saturate the color by 10%, you get **23.5901, 0.4821, 0.2471**, and if you desaturate by 10%, it is **28.4704, 0.4321, 0.2454**.

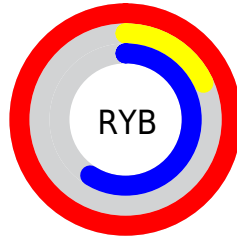
Distribution



Red (100%)

Green (18%)

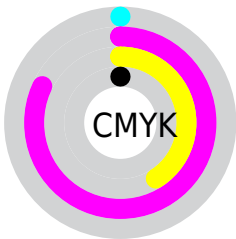
Blue (59%)



Red (100%)

Yellow (18%)

Blue (59%)

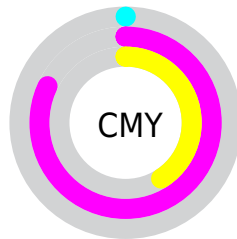


Cyan (0%)

Magenta (82%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (82%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.4160, 0.4572, 0.2435 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 25.4160, 0.4572, 0.2435 by changing the saturation by 10% instead.


 25.4160, 0.4572,
0.2435


 25.4160, 0.4572,
0.2435


279.9034, 0.3796,
0.2885


 16.3873, 0.4781,
0.2317


 52.3313, 0.4278,
0.2603

 9.7986, 0.5058,
0.2163


 70.9866, 0.4171,
0.2665

 5.2656, 0.5440,
0.1955


 93.6196, 0.4082,
0.2717

 2.4039, 0.5990,
0.1663

 120.6147, 0.4007,
0.2761

 0.8279, 0.6826,
0.1235

 152.3562, 0.3943,
0.2798

 0.0000, 0.9707,
0.0000


189.2286, 0.3887,


 0.0000, 1.0000,


0.2831


0.0000


231.6161, 0.3839,
0.2860


 0.0000, 0.0000,
0.0000


 25.4160, 0.4572,
0.2435

 25.4160, 0.4572,
0.2435


 23.5901, 0.4821,
0.2471


 28.4704, 0.4321,
0.2454


 22.7888, 0.5012,
0.2535

 32.9327, 0.4080,
0.2520

 38.9568, 0.3860,
0.2621

 46.6750, 0.3666,
0.2742

 56.2054, 0.3500,
0.2874

 67.6555, 0.3359,
0.3009

 81.1244, 0.3241,
0.3141

 96.7043, 0.3144,
0.3266

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.



25.4160, 0.3138, 0.1853



25.4160, 0.4572, 0.2435



25.4160, 0.5572, 0.3159

Triad

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



25.4160, 0.4572, 0.2435



25.4160, 0.3793, 0.5720



25.4160, 0.1091, 0.1816

Complementary

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



25.4160, 0.4572, 0.2435



74.3367, 0.2685, 0.4698

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.



25.4160, 0.1167, 0.2678



25.4160, 0.4572, 0.2435



25.4160, 0.2642, 0.5689

Square

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



25.4160, 0.4572, 0.2435



25.4160, 0.4869, 0.4877



25.4160, 0.1672, 0.4250



25.4160, 0.1354, 0.1497

Rectangle

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



25.4160, 0.4572, 0.2435



25.4160, 0.5694, 0.3680



25.4160, 0.1672, 0.4250



25.4160, 0.1077, 0.2029

Sweetspot

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



25.4173, 0.4572, 0.2435



63.9566, 0.3399, 0.2968



15.7082, 0.2211, 0.1096



12.8256, 0.3448, 0.2921



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.



25.4173, 0.4572, 0.2435



22.9671, 0.4965, 0.2518



23.4131, 0.6017, 0.3299



18.1378, 0.3216, 0.3172



11.9377, 0.4975, 0.2514



1.1844, 0.4719, 0.2373

Inverse Universe

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



25.4173, 0.4572, 0.2435



22.9671, 0.4965, 0.2518



79.3213, 0.2277, 0.3287



18.1378, 0.3216, 0.3172



11.9377, 0.4975, 0.2514



1.1844, 0.4719, 0.2373

Previews

White Background



This preview shows how the Yxy color 25.4160, 0.4572, 0.2435 looks on a white background.

Color Contrast Check

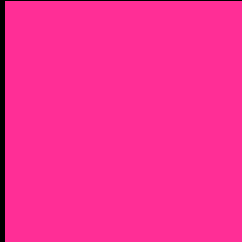
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4160, 0.4572, 0.2435 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 25.4160, 0.4572, 0.2435

Background



This preview shows how black text looks on a background with the Yxy color 25.4160, 0.4572, 0.2435.



This preview shows how white text looks on a background with the Yxy color 25.4160, 0.4572, 0.2435.

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

25.4160, 0.4572, 0.2435

Protanopia

25.7094, 0.2356, 0.2242

Deuteranopia

25.5230, 0.3256, 0.3194



Tritanopia

25.3249, 0.5548, 0.3274

Trichromacy



Original Color

25.4160, 0.4572, 0.2435



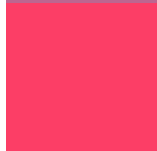
Protanomaly

21.3527, 0.2949, 0.2139



Deuteranomaly

22.3352, 0.3744, 0.2718



Tritanomaly

25.1000, 0.5242, 0.2972

Monochromacy



Original Color

25.4160, 0.4572, 0.2435



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.9024, 0.3697, 0.2716

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4160, 0.4572, 0.2435 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, 46, 150)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 150)  
}
```

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, 46, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 150) }
```

Border

The CSS property to change the border of an element to Yxy 25.4160, 0.4572, 0.2435 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, 46, 150) }
```

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

```
.border{ border-color:rgb(255, 46, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 46, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4160, 0.4572, 0.2435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 46, 150) }
```

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

```
.background{ background-color: rgb(255, 46,  
150) }
```

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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