

Converting Colors

$Yxy(32.2577, 0.5070, 0.2643)$

Have a look what the booklet for
Yxy(32.2577, 0.5070, 0.2643)
contains.

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Color

Yxy(24.3555, 0.4753, 0.2486)

Conversions

Conversions Part 1

Format	Color
Hex	FF238C
RGB	255, 35, 140
RGB Percent	100%, 14%, 55%
CMY	0.0001, 0.8622, 0.4511
CMYK	0.00, 0.86, 0.45, 0.00
HSL	331°, 100%, 57%
HSV	331°, 86%, 100%
XYZ	46.5654, 24.3555, 27.0497
YIQ	112.7500, 97.4150, 79.2950

Conversions

Conversions Part 2

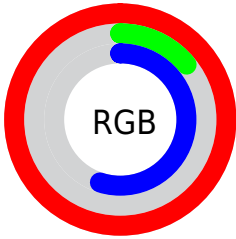
Format	Color
R _Y B	255, 35, 140
Decimal	16720780
CIE Lab	56.44, 81.92, -0.83
CIE LCh	56, 81.920, 359.421
Yxy	24.3555, 0.4753, 0.2486
Android (android.graphics.Color)	4294910860 (0xFFFF238C)
YUV	112.7500, 13.4343, 124.7532
Hunter-Lab	49.3513, 82.0590, 2.0488

Details

The Yxy color **24.3555, 0.4753, 0.2486** 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 **74.0667, 0.2672, 0.4717**, and the grayscale version is **16.3933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2621, 0.3835, 0.2464**, and **11.9447, 0.5098, 0.2582** is the 20% darker color. If you saturate the color by 10%, you get **22.9865, 0.5008, 0.2550**, and if you desaturate by 10%, it is **26.8625, 0.4488, 0.2478**.

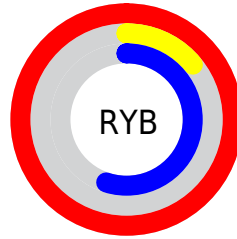
Distribution



Red (100%)

Green (14%)

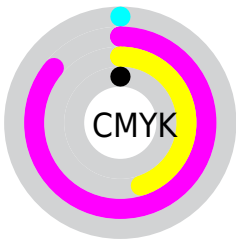
Blue (55%)



Red (100%)

Yellow (14%)

Blue (55%)

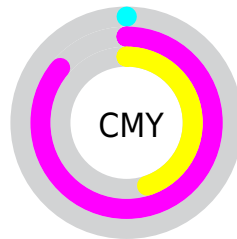


Cyan (0%)

Magenta (86%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3555, 0.4753, 0.2486 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 24.3555, 0.4753, 0.2486 by changing the saturation by 10% instead.


 24.3555, 0.4753,
0.2486


 24.3555, 0.4753,
0.2486

274.6129, 0.3870,
0.2921


 15.5975, 0.4994,
0.2368


 50.6097, 0.4416,
0.2652

 9.2398, 0.5315,
0.2211


 68.8747, 0.4294,
0.2712

 4.8979, 0.5757,
0.1996

 91.0776, 0.4193,
0.2761

 2.1875, 0.6394,
0.1687

 117.6027, 0.4108,
0.2803

 0.7132, 0.7369,
0.1212

 148.8343, 0.4035,
0.2839

 0.0000, 1.0000,
0.0000

185.1570, 0.3972,

 0.0000, 0.0000,

0.2870

0.0000

226.9550, 0.3918,
0.2898

■ 24.3555, 0.4753,
0.2486

■ 24.3555, 0.4753,
0.2486

■ 22.9865, 0.5008,
0.2550

■ 26.8625, 0.4488,
0.2478

■ 22.6498, 0.5101,
0.2584


■ 30.7068, 0.4228,
0.2521


■ 36.0539, 0.3987,
0.2603

■ 43.0438, 0.3772,
0.2712

■ 51.8004, 0.3585,
0.2836

 62.4356, 0.3427,
0.2965

 75.0518, 0.3295,
0.3094

 89.7442, 0.3185,
0.3217

99.9944, 0.3127,
0.3290

Harmonies

Analogous

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



24.3555, 0.3283, 0.1875



24.3555, 0.4753, 0.2486



24.3555, 0.5682, 0.3224

Triad

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



24.3555, 0.4753, 0.2486



24.3555, 0.3666, 0.5834



24.3555, 0.1068, 0.1727

Complementary

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



24.3555, 0.4753, 0.2486



74.0667, 0.2672, 0.4717

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.



24.3555, 0.1104, 0.2530



24.3555, 0.4753, 0.2486



24.3555, 0.2501, 0.5672

Square

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



24.3555, 0.4753, 0.2486



24.3555, 0.4784, 0.4994



24.3555, 0.1558, 0.4084



24.3555, 0.1369, 0.1452

Rectangle

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



24.3555, 0.4753, 0.2486



24.3555, 0.5727, 0.3756



24.3555, 0.1558, 0.4084



24.3555, 0.1042, 0.1922

Sweetspot

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



24.3569, 0.4753, 0.2486



62.7106, 0.3424, 0.2968



14.7904, 0.2189, 0.1045



12.5837, 0.3475, 0.2923



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.



24.3569, 0.4753, 0.2486



22.6557, 0.5101, 0.2584



22.8140, 0.6138, 0.3314



18.1314, 0.3219, 0.3177



11.8678, 0.5062, 0.2562



1.1774, 0.4795, 0.2415

Inverse Universe

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



24.3569, 0.4753, 0.2486



22.6557, 0.5101, 0.2584



76.7637, 0.2253, 0.3243



18.1314, 0.3219, 0.3177



11.8678, 0.5062, 0.2562



1.1774, 0.4795, 0.2415

Previews

White Background



This preview shows how the Yxy color 24.3555, 0.4753, 0.2486 looks on a white background.

Color Contrast Check

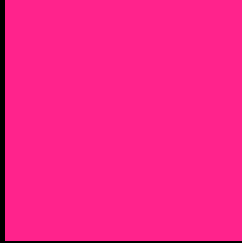
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3555, 0.4753, 0.2486 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 24.3555, 0.4753, 0.2486

Background



This preview shows how black text looks on a background with the Yxy color 24.3555, 0.4753, 0.2486.



This preview shows how white text looks on a background with the Yxy color 24.3555, 0.4753, 0.2486.

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

24.3555, 0.4753, 0.2486

Protanopia

24.7487, 0.2422, 0.2333

Deuteranopia

24.4236, 0.3373, 0.3307



Tritanopia

24.4459, 0.5711, 0.3284

Trichromacy



Original Color

24.3555, 0.4753, 0.2486



Protanomaly

20.0854, 0.3069, 0.2190



Deuteranomaly

20.9058, 0.3908, 0.2772



Tritanomaly

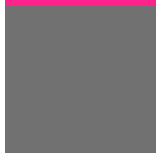
24.0144, 0.5430, 0.3008

Monochromacy



Original Color

24.3555, 0.4753, 0.2486



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.9264, 0.3793, 0.2704

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3555, 0.4753, 0.2486 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, 35, 140)` looks like.

```
.text, #text, p{  
    color:rgb(255, 35, 140)  
}
```

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, 35, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 35, 140) }
```

Border

The CSS property to change the border of an element to Yxy 24.3555, 0.4753, 0.2486 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, 35, 140) }
```

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

```
.border{ border-color:rgb(255, 35, 140) }
```

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

Here you see how a box with a 4 pixel rgb(255, 35, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 35, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 35, 140);  
box-shadow:4px 4px 4px 4px rgb(255, 35,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3555, 0.4753, 0.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 35, 140) }
```

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

```
.background{ background-color: rgb(255, 35,  
140) }
```

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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