

Converting Colors

$Y_{xy}(24.7967, 0.5161, 0.2822)$

Have a look what the booklet for
Yxy(24.7967, 0.5161, 0.2822)
contains.

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Color

Yxy(24.7975, 0.5161, 0.2822)

Conversions

Conversions Part 1

Format	Color
Hex	FF3370
RGB	255, 51, 112
RGB Percent	100%, 20%, 44%
CMY	0.0000, 0.8000, 0.5608
CMYK	0.00, 0.80, 0.56, 0.00
HSL	342°, 100%, 60%
HSV	342°, 80%, 100%
XYZ	45.3508, 24.7975, 17.7238
YIQ	118.9500, 102.0030, 62.2190

Conversions

Conversions Part 2

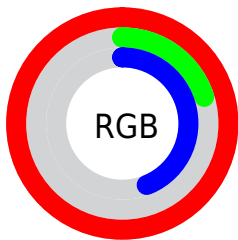
Format	Color
R_{YB}	255, 51, 112
Decimal	16724848
CIE _{Lab}	56.88, 76.58, 16.45
CIE _{LCh}	57, 78.327, 12.123
Yxy	24.7975, 0.5161, 0.2822
Android (android.graphics.Color)	4294914928 (0xFFFF3370)
YUV	118.9500, -3.4263, 119.3159
Hunter-Lab	49.7971, 75.4171, 13.7554

Details

The Yxy color **24.7975, 0.5161, 0.2822** is a dark color, and the websafe version is hex **FF3366**. The color can be described as middle washed rose. A complement of this color would be **76.1190, 0.2516, 0.4087**, and the grayscale version is **18.4171, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8612, 0.4176, 0.2833**, and **11.4580, 0.5620, 0.2870** is the 20% darker color. If you saturate the color by 10%, you get **22.7871, 0.5513, 0.2880**, and if you desaturate by 10%, it is **28.1061, 0.4790, 0.2812**.

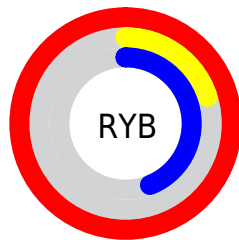
Distribution



Red (100%)

Green (20%)

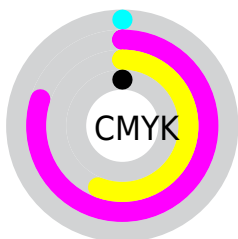
Blue (44%)



Red (100%)

Yellow (20%)

Blue (44%)

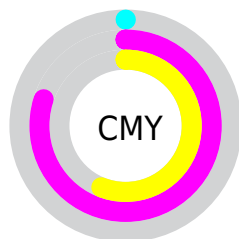


Cyan (0%)

Magenta (80%)

Yellow (56%)

Black (0%)



Cyan (0%)

Magenta (80%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7975, 0.5161, 0.2822 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 24.7975, 0.5161, 0.2822 by changing the saturation by 10% instead.


 24.7975, 0.5161,
0.2822


 24.7975, 0.5161,
0.2822


276.8280, 0.4046,
0.3120


 15.9263, 0.5464,
0.2725


 51.3285, 0.4735,
0.2947

 9.4720, 0.5863,
0.2587


 69.7571, 0.4581,
0.2989

 5.0503, 0.6401,
0.2380

 92.1402, 0.4453,
0.3022

 2.2768, 0.7145,
0.2057

 118.8623, 0.4346,
0.3049

 0.7614, 0.8430,
0.1570

 150.3077, 0.4254,
0.3072

 0.0000, 1.0000,
0.0000

186.8608, 0.4175,

 0.0000, 0.0000,

0.3090

0.0000

228.9061, 0.4106,
0.3106

■ 24.7975, 0.5161,
0.2822

■ 24.7975, 0.5161,
0.2822

■ 22.7871, 0.5513,
0.2880

■ 28.1061, 0.4790,
0.2812

■ 21.7852, 0.5815,
0.2977

■ 32.8926, 0.4433,
0.2841

■ 39.3072, 0.4111,
0.2899

■ 47.4817, 0.3834,
0.2973

■ 57.5342, 0.3601,
0.3054

69.5727, 0.3410,
0.3136

83.6967, 0.3254,
0.3215

99.9991, 0.3127,
0.3290

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.



24.7975, 0.3879, 0.2154



24.7975, 0.5161, 0.2822



24.7975, 0.5656, 0.3577

Triad

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



24.7975, 0.5161, 0.2822



24.7975, 0.3195, 0.5820



24.7975, 0.1217, 0.1625

Complementary

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



24.7975, 0.5161, 0.2822



76.1190, 0.2516, 0.4087

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.



24.7975, 0.1114, 0.2165



24.7975, 0.5161, 0.2822



24.7975, 0.2111, 0.5006

Square

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



24.7975, 0.5161, 0.2822



24.7975, 0.4317, 0.5337



24.7975, 0.1377, 0.3349



24.7975, 0.1666, 0.1504

Rectangle

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



24.7975, 0.5161, 0.2822



24.7975, 0.5464, 0.4129



24.7975, 0.1377, 0.3349



24.7975, 0.1146, 0.1749

Sweetspot

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



24.7973, 0.5161, 0.2822



64.5131, 0.3482, 0.3103



21.0304, 0.2607, 0.1323



12.9027, 0.3551, 0.3074



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.



24.7973, 0.5161, 0.2822



22.1121, 0.5700, 0.2936



29.1185, 0.5628, 0.3590



18.0765, 0.3247, 0.3219



11.4061, 0.5772, 0.2953



1.1289, 0.5452, 0.2777

Inverse Universe

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



24.7973, 0.5161, 0.2822



22.1121, 0.5700, 0.2936



56.1181, 0.2146, 0.2767



18.0765, 0.3247, 0.3219



11.4061, 0.5772, 0.2953



1.1289, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 24.7975, 0.5161, 0.2822 looks on a white background.

Color Contrast Check

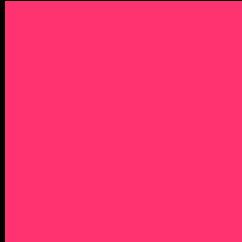
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.7975, 0.5161, 0.2822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

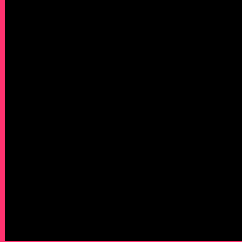
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 24.7975, 0.5161, 0.2822

Background



This preview shows how black text looks on a background with the Yxy color 24.7975, 0.5161, 0.2822.

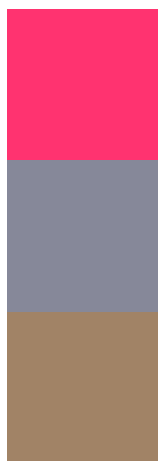


This preview shows how white text looks on a background with the Yxy color 24.7975, 0.5161, 0.2822.

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

24.7975, 0.5161, 0.2822

Protanopia

24.9766, 0.2937, 0.3008

Deuteranopia

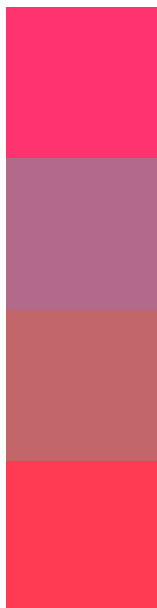
24.7690, 0.3820, 0.3753



Tritanopia

24.8193, 0.5722, 0.3284

Trichromacy



Original Color

24.7975, 0.5161, 0.2822

Protanomaly

21.4031, 0.3679, 0.2812

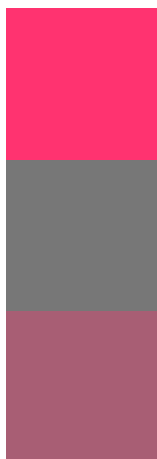
Deuteranomaly

22.1455, 0.4369, 0.3240

Tritanomaly

24.8080, 0.5549, 0.3131

Monochromacy



Original Color

24.7975, 0.5161, 0.2822

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

17.5912, 0.3911, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7975, 0.5161, 0.2822 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, 51, 112)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 112)  
}
```

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, 51, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 112) }
```

Border

The CSS property to change the border of an element to Yxy 24.7975, 0.5161, 0.2822 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, 51, 112) }
```

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

```
.border{ border-color:rgb(255, 51, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 112);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
112) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7975, 0.5161, 0.2822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 112) }
```

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

```
.background{ background-color: rgb(255, 51,  
112) }
```

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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