

# Converting Colors

$Y_{xy}(24.5553, 0.5337, 0.2929)$

Have a look what the booklet for  
Yxy(24.5553, 0.5337, 0.2929)  
contains.

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**Color**

**Yxy(24.5478, 0.5343, 0.2932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3364
RGB	255, 51, 100
RGB Percent	100%, 20%, 39%
CMY	0.0000, 0.8002, 0.6078
CMYK	0.00, 0.80, 0.61, 0.00
HSL	346°, 100%, 60%
HSV	346°, 80%, 100%
XYZ	44.7336, 24.5478, 14.4423
YIQ	117.5820, 105.8550, 58.4870

# Conversions

## Conversions Part 2

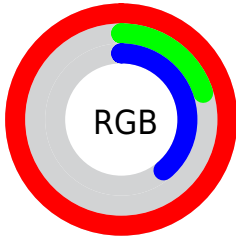
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 100
Decimal	16724836
CIE Lab	56.63, 75.86, 23.23
CIE LCh	57, 79.335, 17.026
Yxy	24.5478, 0.5343, 0.2932
Android (android.graphics.Color)	4294914916 (0xFFFF3364)
YUV	117.5820, -8.6679, 120.5156
Hunter-Lab	49.5457, 74.4581, 17.3993

# Details

The Yxy color **24.5478, 0.5343, 0.2932** 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 **76.6749, 0.2468, 0.3921**, and the grayscale version is **17.9718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.1846, 0.4341, 0.2958**, and **11.3427, 0.5828, 0.2984** is the 20% darker color. If you saturate the color by 10%, you get **22.5633, 0.5710, 0.2991**, and if you desaturate by 10%, it is **27.8317, 0.4943, 0.2914**.

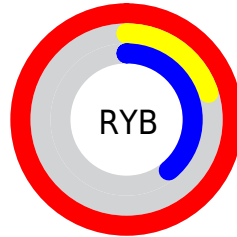
# Distribution



Red (100%)

Green (20%)

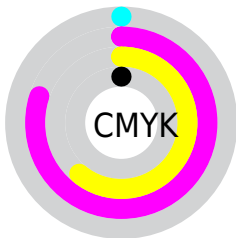
Blue (39%)



Red (100%)

Yellow (20%)

Blue (39%)

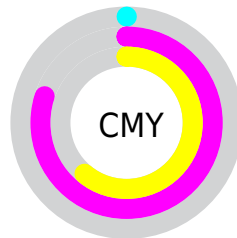


Cyan (0%)

Magenta (80%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (61%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.5478, 0.5343, 0.2932 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 24.5478, 0.5343, 0.2932 by changing the saturation by 10% instead.





 24.5478, 0.5343,  
0.2932


 24.5478, 0.5343,  
0.2932


275.5784, 0.4128,  
0.3191


 15.7405, 0.5669,  
0.2837


 50.9227, 0.4881,  
0.3048


 9.3407, 0.6092,  
0.2698


 69.2590, 0.4713,  
0.3085


 4.9641, 0.6653,  
0.2482

 91.5405, 0.4574,  
0.3113

 2.2262, 0.7475,  
0.2156

 118.1514, 0.4456,  
0.3136

 0.7342, 0.8438,  
0.1562

 149.4763, 0.4356,  
0.3154

 0.0000, 1.0000,  
0.0000

185.8995, 0.4270,

 0.0000, 0.0000,

0.3169

0.0000

227.8054, 0.4194,  
0.3181

■ 24.5478, 0.5343,  
0.2932

■ 24.5478, 0.5343,  
0.2932

■ 22.5633, 0.5710,  
0.2991

■ 27.8317, 0.4943,  
0.2914


■ 21.6005, 0.6004,  
0.3081

■ 32.6088, 0.4553,  
0.2933

■ 39.0268, 0.4200,  
0.2976

■ 47.2183, 0.3895,  
0.3035

■ 57.3028, 0.3641,  
0.3100

 69.3890, 0.3433,  
0.3166

 83.5775, 0.3264,  
0.3230

99.9621, 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.



24.5478, 0.4127, 0.2239



24.5478, 0.5343, 0.2932



24.5478, 0.5675, 0.3702

# Triad

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



24.5478, 0.5343, 0.2932



24.5478, 0.2998, 0.5836



24.5478, 0.1245, 0.1562

# Complementary

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



24.5478, 0.5343, 0.2932



76.6749, 0.2468, 0.3921

# 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.



24.5478, 0.1087, 0.2020



24.5478, 0.5343, 0.2932



24.5478, 0.1939, 0.4778

# Square

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



24.5478, 0.5343, 0.2932



24.5478, 0.4142, 0.5492



24.5478, 0.1281, 0.3098



24.5478, 0.1762, 0.1496



# Rectangle

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



24.5478, 0.5343, 0.2932



24.5478, 0.5390, 0.4273



24.5478, 0.1281, 0.3098



24.5478, 0.1156, 0.1662

# Sweetspot

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



24.5433, 0.5343, 0.2932



64.3343, 0.3511, 0.3140



22.4183, 0.2705, 0.1374



12.8606, 0.3586, 0.3116



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.



24.5433, 0.5343, 0.2932



21.9120, 0.5895, 0.3044



30.9931, 0.5531, 0.3680



18.0587, 0.3256, 0.3233



11.3060, 0.5965, 0.3060



1.1171, 0.5653, 0.2888



# Inverse Universe

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



24.5433, 0.5343, 0.2932



21.9120, 0.5895, 0.3044



51.1016, 0.2109, 0.2628



18.0587, 0.3256, 0.3233



11.3060, 0.5965, 0.3060



1.1171, 0.5653, 0.2888



# Previews

## White Background



This preview shows how the Yxy color 24.5478, 0.5343, 0.2932 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

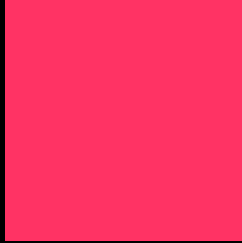
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.5478, 0.5343, 0.2932 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 24.5478, 0.5343, 0.2932**

## Background



This preview shows how black text looks on a background with the Yxy color 24.5478, 0.5343, 0.2932.

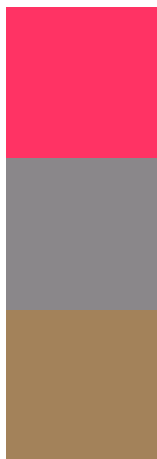


This preview shows how white text looks on a background with the Yxy color 24.5478, 0.5343, 0.2932.

# 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

24.5478, 0.5343, 0.2932

### Protanopia

24.5662, 0.3130, 0.3239

### Deuteranopia

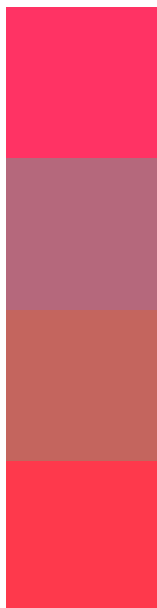
24.4900, 0.3989, 0.3918



## Tritanopia

24.4622, 0.5773, 0.3285

# Trichromacy



## Original Color

24.5478, 0.5343, 0.2932

## Protanomaly

21.1796, 0.3920, 0.3003

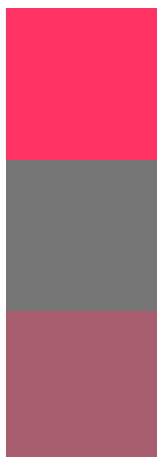
## Deuteranomaly

21.8513, 0.4561, 0.3385

## Tritanomaly

24.5189, 0.5636, 0.3167

# Monochromacy



## Original Color

24.5478, 0.5343, 0.2932

## Achromatopsia

18.1164, 0.3127, 0.3290

## Achromatomaly

17.4779, 0.3990, 0.3029

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.5478, 0.5343, 0.2932 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 100) }
```

## Border

The CSS property to change the border of an element to Yxy 24.5478, 0.5343, 0.2932 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, 100) }
```

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

```
.border{ border-color:rgb(255, 51, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
100) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.5478, 0.5343, 0.2932 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, 100) }
```

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

```
.background{ background-color: rgb(255, 51,  
100) }
```

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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