

# Converting Colors

Yxy(24.4608, 0.5121, 0.2763)

Have a look what the booklet for  
Yxy(24.4608, 0.5121, 0.2763)  
contains.

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**Color**

**Yxy(24.4749, 0.5115, 0.2759)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF2E74
RGB	255, 46, 116
RGB Percent	100%, 18%, 45%
CMY	0.0000, 0.8197, 0.5450
CMYK	0.00, 0.82, 0.55, 0.00
HSL	340°, 100%, 59%
HSV	340°, 82%, 100%
XYZ	45.3748, 24.4749, 18.8596
YIQ	116.4710, 102.0940, 66.0780

# Conversions

## Conversions Part 2

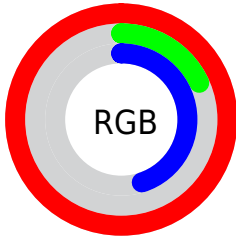
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">255, 46, 116</a>
Decimal	<a href="#">16723572</a>
CIELab	<a href="#">56.56, 78.02, 13.62</a>
CIELCh	<a href="#">57, 79.197, 9.901</a>
Yxy	<a href="#">24.4749, 0.5115, 0.2759</a>
Android (android.graphics.Color)	<a href="#">4294913652</a> ( <a href="#">0xFFFF2E74</a> )
YUV	<a href="#">116.4710, -0.2322, 121.4899</a>
Hunter-Lab	<a href="#">49.4721, 77.1404, 12.0281</a>

# Details

The Yxy color **24.4749, 0.5115, 0.2759** is a dark color, and the websafe version is hex **FF0066**. The color can be described as middle washed rose. A complement of this color would be **75.6012, 0.2545, 0.4216**, and the grayscale version is **17.5891, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3486, 0.4125, 0.2754**, and **11.4937, 0.5560, 0.2836** is the 20% darker color. If you saturate the color by 10%, you get **22.6791, 0.5447, 0.2823**, and if you desaturate by 10%, it is **27.5193, 0.4764, 0.2745**.

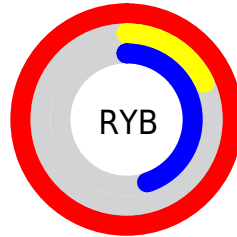
# Distribution



Red (100%)

Green (18%)

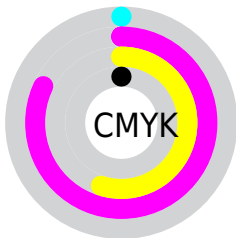
Blue (45%)



Red (100%)

Yellow (18%)

Blue (45%)

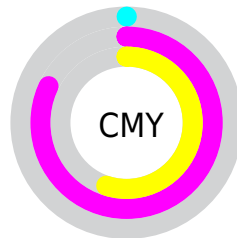


Cyan (0%)

Magenta (82%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (82%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4749, 0.5115, 0.2759 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 24.4749, 0.5115, 0.2759 by changing the saturation by 10% instead.





 24.4749, 0.5115,  
0.2759


 24.4749, 0.5115,  
0.2759


275.2127, 0.4024,  
0.3084


 15.6863, 0.5413,  
0.2657


 50.8041, 0.4698,  
0.2892

 9.3024, 0.5806,  
0.2514


 69.1134, 0.4547,  
0.2938


 4.9390, 0.6341,  
0.2304

 91.3651, 0.4422,  
0.2974

 2.2115, 0.7085,  
0.1979

 117.9435, 0.4317,  
0.3004

 0.7263, 0.8493,  
0.1507

 149.2331, 0.4227,  
0.3029

 0.0000, 1.0000,  
0.0000

185.6182, 0.4150,

 0.0000, 0.0000,

0.3051

0.0000

227.4833, 0.4083,  
0.3069

■ 24.4749, 0.5115,  
0.2759

■ 24.4749, 0.5115,  
0.2759

■ 22.6791, 0.5447,  
0.2823

■ 27.5193, 0.4764,  
0.2745

■ 21.9230, 0.5683,  
0.2905

■ 32.0038, 0.4423,  
0.2775


■ 38.0808, 0.4114,  
0.2837

■ 45.8848, 0.3844,  
0.2918

■ 55.5357, 0.3617,  
0.3008

 67.1426, 0.3429,  
0.3100

 80.8063, 0.3275,  
0.3189

 96.6204, 0.3149,  
0.3274

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.



24.4749, 0.3781, 0.2097



24.4749, 0.5115, 0.2759



24.4749, 0.5686, 0.3512

# Triad

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



24.4749, 0.5115, 0.2759



24.4749, 0.3272, 0.5859



24.4749, 0.1179, 0.1629

# Complementary

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



24.4749, 0.5115, 0.2759



75.6012, 0.2545, 0.4216

# 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.



24.4749, 0.1099, 0.2210



24.4749, 0.5115, 0.2759



24.4749, 0.2167, 0.5148

# Square

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



24.4749, 0.5115, 0.2759



24.4749, 0.4401, 0.5292



24.4749, 0.1392, 0.3465



24.4749, 0.1602, 0.1484



# Rectangle

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



24.4749, 0.5115, 0.2759



24.4749, 0.5528, 0.4063



24.4749, 0.1392, 0.3465



24.4749, 0.1116, 0.1764

# Sweetspot

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



24.4731, 0.5115, 0.2759



63.4151, 0.3482, 0.3072



19.0974, 0.2491, 0.1243



12.6976, 0.3548, 0.3039



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.



24.4731, 0.5115, 0.2759



22.0892, 0.5626, 0.2884



26.8106, 0.5795, 0.3498



18.0875, 0.3241, 0.3211



11.4799, 0.5640, 0.2881



1.1371, 0.5322, 0.2706



# Inverse Universe

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



24.4731, 0.5115, 0.2759



22.0892, 0.5626, 0.2884



60.9213, 0.2172, 0.2893



18.0875, 0.3241, 0.3211



11.4799, 0.5640, 0.2881



1.1371, 0.5322, 0.2706



# Previews

## White Background



This preview shows how the Yxy color 24.4749, 0.5115, 0.2759 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

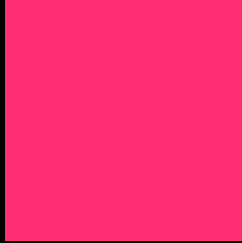
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.4749, 0.5115, 0.2759 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 24.4749, 0.5115, 0.2759**

## Background



This preview shows how black text looks on a background with the Yxy color 24.4749, 0.5115, 0.2759.



This preview shows how white text looks on a background with the Yxy color 24.4749, 0.5115, 0.2759.

# 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

24.4749, 0.5115, 0.2759

### Protanopia

24.6913, 0.2840, 0.2878

### Deuteranopia

24.6441, 0.3749, 0.3693



## Tritanopia

24.5790, 0.5756, 0.3285

# Trichromacy



## Original Color

24.4749, 0.5115, 0.2759



## Protanomaly

20.9442, 0.3577, 0.2696



## Deuteranomaly

21.7095, 0.4311, 0.3160



## Tritanomaly

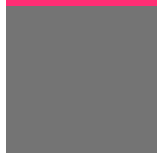
24.5084, 0.5565, 0.3113

# Monochromacy



## Original Color

24.4749, 0.5115, 0.2759



## Achromatopsia

17.4647, 0.3127, 0.3290



## Achromatomaly

16.9586, 0.3910, 0.2905

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.4749, 0.5115, 0.2759 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, 116)` looks like.

```
.text, #text, p{  
    color:rgb(255, 46, 116)  
}
```

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, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 46, 116) }
```

## Border

The CSS property to change the border of an element to Yxy 24.4749, 0.5115, 0.2759 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, 116) }
```

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

```
.border{ border-color:rgb(255, 46, 116) }
```

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, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 46, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 46, 116);  
box-shadow:4px 4px 4px 4px rgb(255, 46,  
116) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.4749, 0.5115, 0.2759 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, 116) }
```

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

```
.background{ background-color: rgb(255, 46,  
116) }
```

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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