

# Converting Colors

$Y_{xy}(25.0459, 0.4231, 0.2153)$

Have a look what the booklet for  
Yxy(25.0459, 0.4231, 0.2153)  
contains.

<b>Yxy(25.0548, 0.4224, 0.2149)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(25.0548, 0.4224, 0.2149)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1AAE
RGB	255, 26, 174
RGB Percent	100%, 10%, 68%
CMY	0.0000, 0.8978, 0.3176
CMYK	0.00, 0.90, 0.32, 0.00
HSL	321°, 100%, 55%
HSV	321°, 90%, 100%
XYZ	49.2468, 25.0548, 42.2865
YIQ	111.3430, 88.9760, 94.5760

# Conversions

## Conversions Part 2

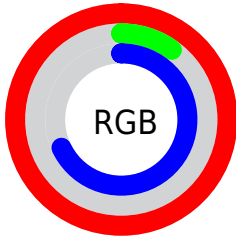
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 26, 174
Decimal	16718510
CIE <sub>Lab</sub>	57.13, 86.38, -19.83
CIE <sub>LCh</sub>	57, 88.628, 347.068
Yxy	25.0548, 0.4224, 0.2149
Android (android.graphics.Color)	4294908590 (0xFFFF1AAE)
YUV	111.3430, 30.8899, 125.9872
Hunter-Lab	50.0548, 88.0230, -15.0502

# Details

The Yxy color **25.0548, 0.4224, 0.2149** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle washed rose. A complement of this color would be **72.7969, 0.2823, 0.5292**, and the grayscale version is **15.9020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6983, 0.3430, 0.2124**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **23.9865, 0.4378, 0.2186**, and if you desaturate by 10%, it is **27.0958, 0.4065, 0.2160**.

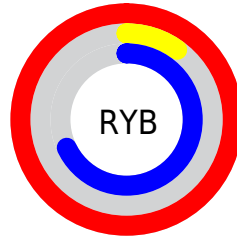
# Distribution



Red (100%)

Green (10%)

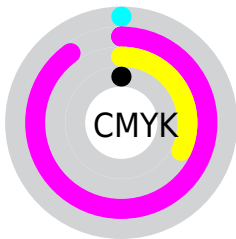
Blue (68%)



Red (100%)

Yellow (10%)

Blue (68%)

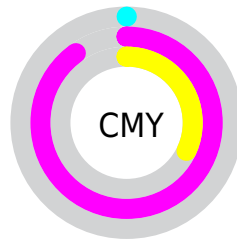


Cyan (0%)

Magenta (90%)

Yellow (32%)

Black (0%)



Cyan (0%)

Magenta (90%)


Yellow (32%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.0548, 0.4224, 0.2149 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 25.0548, 0.4224, 0.2149 by changing the saturation by 10% instead.





 25.0548, 0.4224,  
0.2149


 25.0548, 0.4224,  
0.2149

278.1107, 0.3655,  
0.2716


 16.1179, 0.4371,  
0.2011


 51.7461, 0.4013,  
0.2353

 9.6076, 0.4561,  
0.1837


 70.2693, 0.3935,  
0.2430


 5.1396, 0.4817,  
0.1613


 92.7567, 0.3870,  
0.2496

 2.3294, 0.5176,  
0.1317

 119.5927, 0.3814,  
0.2553

 0.7892, 0.5706,  
0.0919

 151.1617, 0.3766,  
0.2602

 0.0000, 0.6806,  
0.0000

187.8481, 0.3724,


 0.0000, 1.0000,


0.2645


0.0000


230.0363, 0.3688,  
0.2683


 0.0000, 0.0000,  
0.0000


 25.0548, 0.4224,  
0.2149


 25.0548, 0.4224,  
0.2149


 23.9865, 0.4378,  
0.2186

 27.0958, 0.4065,  
0.2160

 23.9667, 0.4382,  
0.2187

 30.3834, 0.3906,  
0.2222

 35.0931, 0.3753,  
0.2327

 41.3715, 0.3612,  
0.2466

 49.3466, 0.3485,  
0.2624

■ 59.1332, 0.3373,  
0.2794

■ 70.8359, 0.3276,  
0.2965

■ 84.5514, 0.3195,  
0.3133

99.9981, 0.3127,  
0.3290

# Harmonies

## Analogous

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



25.0548, 0.2693, 0.1616



25.0548, 0.4224, 0.2149



25.0548, 0.5569, 0.2869

# Triad

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



25.0548, 0.4224, 0.2149



25.0548, 0.4141, 0.5642



25.0548, 0.0950, 0.1892

# Complementary

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



25.0548, 0.4224, 0.2149



72.7969, 0.2823, 0.5292

# 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.



25.0548, 0.1132, 0.3046



25.0548, 0.4224, 0.2149



25.0548, 0.2920, 0.6134

# Square

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



25.0548, 0.4224, 0.2149



25.0548, 0.5247, 0.4597



25.0548, 0.1804, 0.4962



25.0548, 0.1119, 0.1430



# Rectangle

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



25.0548, 0.4224, 0.2149



25.0548, 0.5908, 0.3387



25.0548, 0.1804, 0.4962



25.0548, 0.0967, 0.2181

# Sweetspot

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



25.0562, 0.4224, 0.2149



62.1904, 0.3345, 0.2841



11.0373, 0.1863, 0.0843



12.5122, 0.3379, 0.2783



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.



25.0562, 0.4224, 0.2149



23.9688, 0.4382, 0.2187



22.3306, 0.5962, 0.3138



18.1848, 0.3193, 0.3138



12.5537, 0.4357, 0.2174



1.2431, 0.4191, 0.2083



# Inverse Universe

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



25.0562, 0.4224, 0.2149



23.9688, 0.4382, 0.2187



76.9361, 0.2382, 0.3725



18.1848, 0.3193, 0.3138



12.5537, 0.4357, 0.2174



1.2431, 0.4191, 0.2083



# Previews

## White Background



This preview shows how the Yxy color 25.0548, 0.4224, 0.2149 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

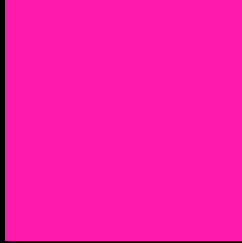
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 25.0548, 0.4224, 0.2149 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 25.0548, 0.4224, 0.2149**

## **Background**



This preview shows how black text looks on a background with the Yxy color 25.0548, 0.4224, 0.2149.



This preview shows how white text looks on a background with the Yxy color 25.0548, 0.4224, 0.2149.

# 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

25.0548, 0.4224, 0.2149

### Protanopia

25.6212, 0.1999, 0.1776

### Deuteranopia

25.1835, 0.2893, 0.2826



## Tritanopia

25.0992, 0.5517, 0.3274

# Trichromacy



## Original Color

25.0548, 0.4224, 0.2149



## Protanomaly

19.5019, 0.2457, 0.1657



## Deuteranomaly

20.7982, 0.3350, 0.2313



## Tritanomaly

24.3893, 0.5128, 0.2841

# Monochromacy



## Original Color

25.0548, 0.4224, 0.2149



## Achromatopsia

15.8961, 0.3127, 0.3290



## Achromatomaly

15.2451, 0.3602, 0.2465

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.0548, 0.4224, 0.2149 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, 26, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 174)  
}
```

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, 26, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 174) }
```

## Border

The CSS property to change the border of an element to Yxy 25.0548, 0.4224, 0.2149 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, 26, 174) }
```

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

```
.border{ border-color:rgb(255, 26, 174) }
```

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

Here you see how a box with a 4 pixel rgb(255, 26, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
174) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.0548, 0.4224, 0.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 174) }
```

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

```
.background{ background-color: rgb(255, 26,  
174) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

**@ConvertingColor**