

Converting Colors

$Y_{xy}(25.8390, 0.4229, 0.2205)$

Have a look what the booklet for
Yxy(25.8390, 0.4229, 0.2205)
contains.

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Color

Yxy(25.8630, 0.4224, 0.2204)

Conversions

Conversions Part 1

Format	Color
Hex	FF29AD
RGB	255, 41, 173
RGB Percent	100%, 16%, 68%
CMY	0.0001, 0.8388, 0.3216
CMYK	0.00, 0.84, 0.32, 0.00
HSL	323°, 100%, 58%
HSV	323°, 84%, 100%
XYZ	49.5668, 25.8630, 41.9159
YIQ	120.0340, 85.1720, 86.4200

Conversions

Conversions Part 2

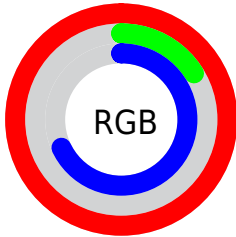
Format	Color
RYB	255, 41, 173
Decimal	16722349
CIELab	57.91, 83.89, -18.07
CIELCh	58, 85.818, 347.848
Yxy	25.8630, 0.4224, 0.2204
Android (android.graphics.Color)	4294912429 (0xFFFF29AD)
YUV	120.0340, 26.1122, 118.3652
Hunter-Lab	50.8557, 84.9788, -13.2686

Details

The Yxy color **25.8630, 0.4224, 0.2204** is a light color, and the websafe version is hex **FF0099**. The color can be described as light washed rose. A complement of this color would be **73.4044, 0.2786, 0.5081**, and the grayscale version is **18.7065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9518, 0.3435, 0.2179**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.2656, 0.4399, 0.2222**, and if you desaturate by 10%, it is **28.6309, 0.4047, 0.2240**.

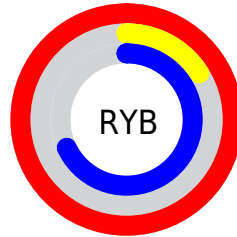
Distribution



Red (100%)

Green (16%)

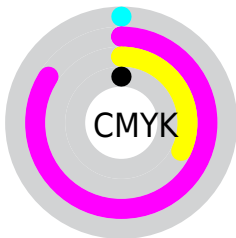
Blue (68%)



Red (100%)

Yellow (16%)

Blue (68%)

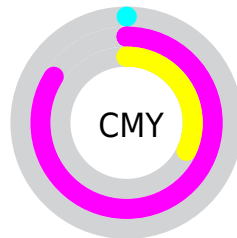


Cyan (0%)

Magenta (84%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (84%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.8630, 0.4224, 0.2204 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 25.8630, 0.4224, 0.2204 by changing the saturation by 10% instead.


 25.8630, 0.4224,
0.2204


 25.8630, 0.4224,
0.2204


282.1089, 0.3654,
0.2746


 16.7212, 0.4372,
0.2072


 53.0538, 0.4013,
0.2399


 10.0359, 0.4563,
0.1904


 71.8717, 0.3934,
0.2473

 5.4228, 0.4822,
0.1687


 94.6836, 0.3869,
0.2536

 2.4974, 0.5185,
0.1399

 121.8741, 0.3813,
0.2590

 0.8753, 0.5724,
0.1009

 153.8274, 0.3765,
0.2636

 0.0000, 0.6911,
0.0000

190.9281, 0.3723,

 0.0000, 1.0000,

0.2677

0.0000

233.5604, 0.3687,
0.2713

■ 0.0000, 0.0000,
0.0000

■ 25.8630, 0.4224,
0.2204

■ 25.8630, 0.4224,
0.2204

■ 24.2656, 0.4399,
0.2222

■ 28.6309, 0.4047,
0.2240

■ 23.6965, 0.4503,
0.2254

■ 32.7559, 0.3874,
0.2323

■ 38.3959, 0.3713,
0.2443

■ 45.6857, 0.3567,
0.2589

■ 54.7451, 0.3439,
0.2748

 65.6827, 0.3328,
0.2912

 78.5985, 0.3234,
0.3075

 93.5852, 0.3154,
0.3232

99.9937, 0.3127,
0.3290

Harmonies

Analogous

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



25.8630, 0.2747, 0.1674



25.8630, 0.4224, 0.2204



25.8630, 0.5497, 0.2916

Triad

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



25.8630, 0.4224, 0.2204



25.8630, 0.4113, 0.5604



25.8630, 0.1006, 0.1926

Complementary

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



25.8630, 0.4224, 0.2204



73.4044, 0.2786, 0.5081

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.



25.8630, 0.1183, 0.3028



25.8630, 0.4224, 0.2204



25.8630, 0.2923, 0.6001

Square

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



25.8630, 0.4224, 0.2204



25.8630, 0.5180, 0.4619



25.8630, 0.1837, 0.4835



25.8630, 0.1179, 0.1478

Rectangle

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



25.8630, 0.4224, 0.2204



25.8630, 0.5815, 0.3430



25.8630, 0.1837, 0.4835



25.8630, 0.1022, 0.2204

Sweetspot

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



25.8644, 0.4224, 0.2204



64.3758, 0.3339, 0.2894



12.7705, 0.1965, 0.0946



12.9256, 0.3377, 0.2836



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.



25.8644, 0.4224, 0.2204



23.7035, 0.4503, 0.2254



23.2847, 0.5799, 0.3131



18.1754, 0.3197, 0.3144



12.4156, 0.4476, 0.2239



1.2302, 0.4292, 0.2138

Inverse Universe

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



25.8644, 0.4224, 0.2204



23.7035, 0.4503, 0.2254



77.4884, 0.2374, 0.3646



18.1754, 0.3197, 0.3144



12.4156, 0.4476, 0.2239



1.2302, 0.4292, 0.2138

Previews

White Background



This preview shows how the Yxy color 25.8630, 0.4224, 0.2204 looks on a white background.

Color Contrast Check

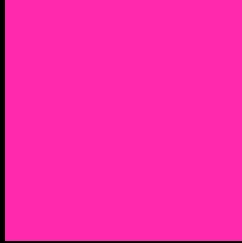
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.8630, 0.4224, 0.2204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

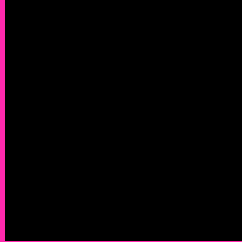
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.8630, 0.4224, 0.2204

Background



This preview shows how black text looks on a background with the Yxy color 25.8630, 0.4224, 0.2204.



This preview shows how white text looks on a background with the Yxy color 25.8630, 0.4224, 0.2204.

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

25.8630, 0.4224, 0.2204

Protanopia

26.2732, 0.2070, 0.1869

Deuteranopia

25.9677, 0.2934, 0.2877



Tritanopia

25.7045, 0.5428, 0.3264

Trichromacy



Original Color

25.8630, 0.4224, 0.2204



Protanomaly

20.9860, 0.2551, 0.1782



Deuteranomaly

22.1278, 0.3380, 0.2408



Tritanomaly

25.2791, 0.5049, 0.2862

Monochromacy



Original Color

25.8630, 0.4224, 0.2204



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

17.7813, 0.3584, 0.2573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.8630, 0.4224, 0.2204 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, 41, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 41, 173)  
}
```

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, 41, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 41, 173) }
```

Border

The CSS property to change the border of an element to Yxy 25.8630, 0.4224, 0.2204 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, 41, 173) }
```

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

```
.border{ border-color:rgb(255, 41, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 41, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 41, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 41, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 41,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 25.8630, 0.4224, 0.2204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 41, 173) }
```

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

```
.background{ background-color: rgb(255, 41,  
173) }
```

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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