

Converting Colors

$Y_{xy}(27.0277, 0.4244, 0.2275)$

Have a look what the booklet for
Yxy(27.0277, 0.4244, 0.2275)
contains.

Yxy(26.7848, 0.4223, 0.2264)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(26.7848, 0.4223, 0.2264)

Conversions

Conversions Part 1

Format	Color
Hex	FF35AC
RGB	255, 53, 172
RGB Percent	100%, 21%, 67%
CMY	0.0000, 0.7922, 0.3255
CMYK	0.00, 0.79, 0.33, 0.00
HSL	325°, 100%, 60%
HSV	325°, 79%, 100%
XYZ	49.9612, 26.7848, 41.5614
YIQ	126.9640, 82.1930, 79.8330

Conversions

Conversions Part 2

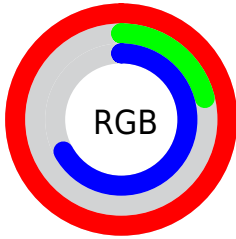
Format	Color
R _Y B	255, 53, 172
Decimal	16725420
CIE Lab	58.77, 81.22, -16.16
CIE LCh	59, 82.810, 348.748
Yxy	26.7848, 0.4223, 0.2264
Android (android.graphics.Color)	4294915500 (0xFFFF35AC)
YUV	126.9640, 22.2027, 112.2876
Hunter-Lab	51.7540, 81.7470, -11.3854

Details

The Yxy color **26.7848, 0.4223, 0.2264** 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 **74.0548, 0.2758, 0.4900**, and the grayscale version is **21.1112, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4808, 0.3448, 0.2253**, and **12.6935, 0.4456, 0.2229** is the 20% darker color. If you saturate the color by 10%, you get **24.6583, 0.4417, 0.2263**, and if you desaturate by 10%, it is **30.1771, 0.4030, 0.2317**.

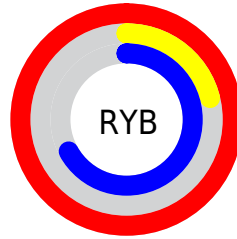
Distribution



Red (100%)

Green (21%)

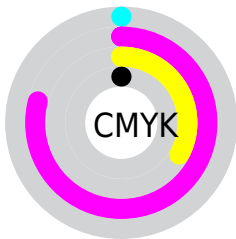
Blue (67%)



Red (100%)

Yellow (21%)

Blue (67%)

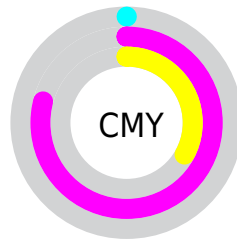


Cyan (0%)

Magenta (79%)

Yellow (33%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7848, 0.4223, 0.2264 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 26.7848, 0.4223, 0.2264 by changing the saturation by 10% instead.


 26.7848, 0.4223,
0.2264


 26.7848, 0.4223,
0.2264


286.6136, 0.3653,
0.2777


 17.4117, 0.4371,
0.2138


 54.5383, 0.4011,
0.2450


 10.5284, 0.4564,
0.1978

 73.6876, 0.3933,
0.2520

 5.7507, 0.4824,
0.1769


 96.8642, 0.3867,
0.2579

 2.6941, 0.5191,
0.1490

 124.4528, 0.3812,
0.2630

 0.9742, 0.5739,
0.1106

 156.8376, 0.3764,
0.2674

 0.0000, 0.7020,
0.0000

194.4031, 0.3722,

 0.0000, 1.0000,

0.2713

0.0000

237.5336, 0.3685,
0.2747

■ 0.0000, 0.0000,
0.0000

■ 26.7848, 0.4223,
0.2264

■ 26.7848, 0.4223,
0.2264

■ 24.6583, 0.4417,
0.2263

■ 30.1771, 0.4030,
0.2317

■ 23.5389, 0.4604,
0.2313

■ 35.0088, 0.3847,
0.2413

■ 23.4688, 0.4619,
0.2318

■ 41.4251, 0.3680,
0.2541

■ 49.5534, 0.3531,
0.2688

■ 59.5080, 0.3402,
0.2844

71.3936, 0.3292,
0.3002

85.3064, 0.3199,
0.3155

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.



26.7848, 0.2805, 0.1737



26.7848, 0.4223, 0.2264



26.7848, 0.5419, 0.2967

Triad

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



26.7848, 0.4223, 0.2264



26.7848, 0.4079, 0.5557



26.7848, 0.1069, 0.1963

Complementary

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



26.7848, 0.4223, 0.2264



74.0548, 0.2758, 0.4900

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.



26.7848, 0.1239, 0.3009



26.7848, 0.4223, 0.2264



26.7848, 0.2923, 0.5855

Square

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



26.7848, 0.4223, 0.2264



26.7848, 0.5106, 0.4639



26.7848, 0.1871, 0.4703



26.7848, 0.1247, 0.1531

Rectangle

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



26.7848, 0.4223, 0.2264



26.7848, 0.5715, 0.3476



26.7848, 0.1871, 0.4703



26.7848, 0.1083, 0.2229

Sweetspot

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



26.7845, 0.4223, 0.2264



65.4594, 0.3342, 0.2927



14.8183, 0.2082, 0.1059



13.1284, 0.3382, 0.2871



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.



26.7845, 0.4223, 0.2264



23.9232, 0.4526, 0.2287



24.2900, 0.5698, 0.3165



18.1666, 0.3201, 0.3151



12.2934, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Inverse Universe

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



26.7845, 0.4223, 0.2264



23.9232, 0.4526, 0.2287



78.2635, 0.2359, 0.3537



18.1666, 0.3201, 0.3151



12.2934, 0.4589, 0.2302



1.2187, 0.4388, 0.2191

Previews

White Background



This preview shows how the Yxy color 26.7848, 0.4223, 0.2264 looks on a white background.

Color Contrast Check

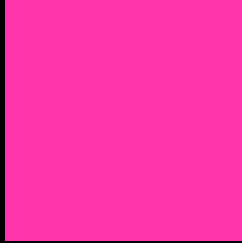
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7848, 0.4223, 0.2264 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 26.7848, 0.4223, 0.2264

Background



This preview shows how black text looks on a background with the Yxy color 26.7848, 0.4223, 0.2264.



This preview shows how white text looks on a background with the Yxy color 26.7848, 0.4223, 0.2264.

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

26.7848, 0.4223, 0.2264

Protanopia

27.2947, 0.2163, 0.1993

Deuteranopia

26.8612, 0.2985, 0.2929



Tritanopia

26.6965, 0.5325, 0.3254

Trichromacy



Original Color

26.7848, 0.4223, 0.2264



Protanomaly

22.8519, 0.2667, 0.1935



Deuteranomaly

23.6711, 0.3420, 0.2507



Tritanomaly

26.3001, 0.4969, 0.2888

Monochromacy



Original Color

26.7848, 0.4223, 0.2264



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.0962, 0.3572, 0.2661

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7848, 0.4223, 0.2264 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, 53, 172)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 172)  
}
```

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, 53, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 172) }
```

Border

The CSS property to change the border of an element to Yxy 26.7848, 0.4223, 0.2264 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, 53, 172) }
```

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

```
.border{ border-color:rgb(255, 53, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 172);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
172) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 26.7848, 0.4223, 0.2264$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 172) }
```

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

```
.background{ background-color: rgb(255, 53,  
172) }
```

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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