

Converting Colors

$Y_{xy}(27.0277, 0.4211, 0.2248)$

Have a look what the booklet for
Yxy(27.0277, 0.4211, 0.2248)
contains.

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Color

Yxy(26.7720, 0.4195, 0.2241)

Conversions

Conversions Part 1

Format	Color
Hex	FF34AE
RGB	255, 52, 174
RGB Percent	100%, 20%, 68%
CMY	0.0000, 0.7962, 0.3176
CMYK	0.00, 0.80, 0.32, 0.00
HSL	324°, 100%, 60%
HSV	324°, 80%, 100%
XYZ	50.1154, 26.7720, 42.5772
YIQ	126.6050, 81.8260, 80.9780

Conversions

Conversions Part 2

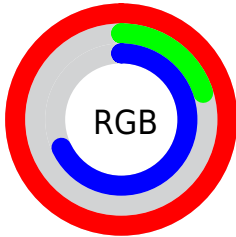
Format	Color
R _Y B	255, 52, 174
Decimal	16725166
CIE Lab	58.76, 81.68, -17.35
CIE LCh	59, 83.507, 348.008
Yxy	26.7720, 0.4195, 0.2241
Android (android.graphics.Color)	4294915246 (0xFFFF34AE)
YUV	126.6050, 23.3657, 112.6024
Hunter-Lab	51.7417, 82.3416, -12.5694

Details

The Yxy color **26.7720, 0.4195, 0.2241** 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 **73.9410, 0.2768, 0.4942**, and the grayscale version is **20.9705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.4061, 0.3419, 0.2220**, and **12.7426, 0.4415, 0.2206** is the 20% darker color. If you saturate the color by 10%, you get **24.6940, 0.4381, 0.2239**, and if you desaturate by 10%, it is **30.1009, 0.4009, 0.2295**.

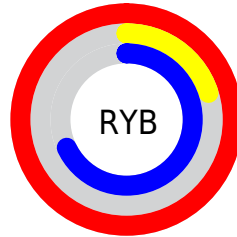
Distribution



Red (100%)

Green (20%)

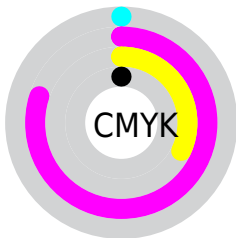
Blue (68%)



Red (100%)

Yellow (20%)

Blue (68%)

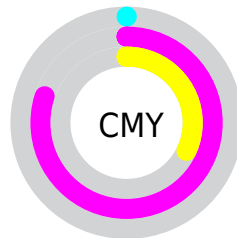


Cyan (0%)

Magenta (80%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 26.7720, 0.4195, 0.2241 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 26.7720, 0.4195, 0.2241 by changing the saturation by 10% instead.


 26.7720, 0.4195,
0.2241


 26.7720, 0.4195,
0.2241


286.5515, 0.3641,
0.2764


 17.4021, 0.4338,
0.2113


 54.5178, 0.3990,
0.2429


 10.5216, 0.4524,
0.1952


 73.6624, 0.3914,
0.2501


 5.7461, 0.4774,
0.1742


 96.8341, 0.3850,
0.2561

 2.6913, 0.5125,
0.1462

 124.4171, 0.3796,
0.2613

 0.9728, 0.5648,
0.1080

 156.7960, 0.3749,
0.2658

 0.0000, 0.6861,
0.0000

194.3551, 0.3709,

 0.0000, 1.0000,

0.2698

0.0000


237.4788, 0.3673,
0.2733


 0.0000, 0.0000,
0.0000


 26.7720, 0.4195,
0.2241


 26.7720, 0.4195,
0.2241


 24.6940, 0.4381,
0.2239


 30.1009, 0.4009,
0.2295


 23.6030, 0.4561,
0.2288

 34.8638, 0.3833,
0.2392


 23.5694, 0.4568,
0.2290

 41.2038, 0.3670,
0.2521

 49.2491, 0.3525,
0.2670

 59.1143, 0.3399,
0.2829

 70.9044, 0.3291,
0.2990

 84.7160, 0.3201,
0.3146

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.



26.7720, 0.2771, 0.1718



26.7720, 0.4195, 0.2241



26.7720, 0.5417, 0.2943

Triad

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



26.7720, 0.4195, 0.2241



26.7720, 0.4107, 0.5551



26.7720, 0.1057, 0.1970

Complementary

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



26.7720, 0.4195, 0.2241



73.9410, 0.2768, 0.4942

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.



26.7720, 0.1236, 0.3040



26.7720, 0.4195, 0.2241



26.7720, 0.2946, 0.5888

Square

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



26.7720, 0.4195, 0.2241



26.7720, 0.5136, 0.4617



26.7720, 0.1882, 0.4759



26.7720, 0.1229, 0.1526

Rectangle

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



26.7720, 0.4195, 0.2241



26.7720, 0.5731, 0.3453



26.7720, 0.1882, 0.4759



26.7720, 0.1074, 0.2242

Sweetspot

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



26.7690, 0.4195, 0.2241



65.5009, 0.3336, 0.2920



14.4019, 0.2051, 0.1038



13.1384, 0.3376, 0.2862



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.



26.7690, 0.4195, 0.2241



23.9279, 0.4496, 0.2267



24.2294, 0.5673, 0.3141



18.1705, 0.3200, 0.3148



12.3458, 0.4540, 0.2274



1.2237, 0.4346, 0.2168

Inverse Universe

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



26.7690, 0.4195, 0.2241



23.9279, 0.4496, 0.2267



78.0362, 0.2371, 0.3582



18.1705, 0.3200, 0.3148



12.3458, 0.4540, 0.2274



1.2237, 0.4346, 0.2168

Previews

White Background



This preview shows how the Yxy color 26.7720, 0.4195, 0.2241 looks on a white background.

Color Contrast Check

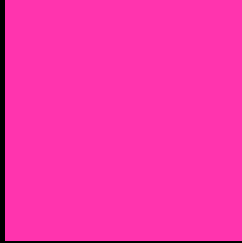
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.7720, 0.4195, 0.2241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

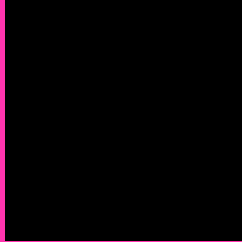
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 26.7720, 0.4195, 0.2241

Background



This preview shows how black text looks on a background with the Yxy color 26.7720, 0.4195, 0.2241.

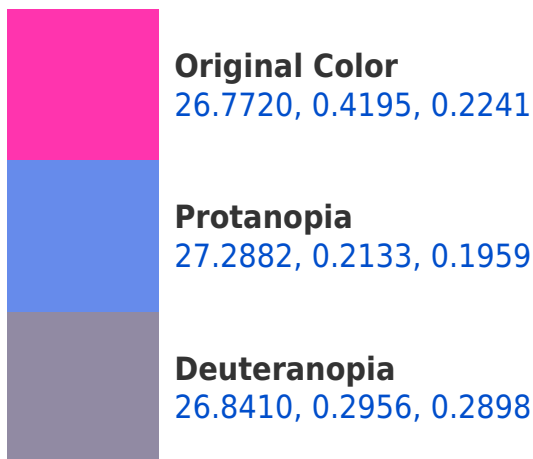


This preview shows how white text looks on a background with the Yxy color 26.7720, 0.4195, 0.2241.

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





Tritanopia

26.8462, 0.5318, 0.3262

Trichromacy



Original Color

26.7720, 0.4195, 0.2241



Protanomaly

22.5886, 0.2622, 0.1888



Deuteranomaly

23.6197, 0.3384, 0.2479



Tritanomaly

26.3237, 0.4954, 0.2878

Monochromacy



Original Color

26.7720, 0.4195, 0.2241



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

20.1266, 0.3558, 0.2648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 26.7720, 0.4195, 0.2241 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, 52, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 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, 52, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 174) }
```

Border

The CSS property to change the border of an element to Yxy 26.7720, 0.4195, 0.2241 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, 52, 174) }
```

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

```
.border{ border-color:rgb(255, 52, 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, 52, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 26.7720, 0.4195, 0.2241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 174) }
```

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

```
.background{ background-color: rgb(255, 52,  
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](#).

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