

Converting Colors

$Yxy(22.1284, 0.4424, 0.1951)$

Have a look what the booklet for
Yxy(22.1284, 0.4424, 0.1951)
contains.

Yxy(24.2771, 0.4253, 0.2116)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(24.2771, 0.4253, 0.2116)

Conversions

Conversions Part 1

Format	Color
Hex	FF00AD
RGB	255, 0, 173
RGB Percent	100%, 0%, 68%
CMY	0.0000, 1.0000, 0.3215
CMYK	0.00, 1.00, 0.32, 0.00
HSL	319°, 100%, 50%
HSV	319°, 100%, 100%
XYZ	48.7951, 24.2771, 41.6589
YIQ	95.9670, 96.4470, 107.8630

Conversions

Conversions Part 2

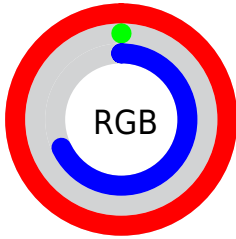
Format	Color
R_{YB}	255, 0, 173
Decimal	16711853
CIE _{Lab}	56.36, 88.44, -20.43
CIE _{LCh}	56, 90.773, 346.995
Yxy	24.2771, 0.4253, 0.2116
Android (android.graphics.Color)	4294901933 (0xFFFF00AD)
YUV	95.9670, 37.9773, 139.4719
Hunter-Lab	49.2718, 90.5475, -15.6389

Details

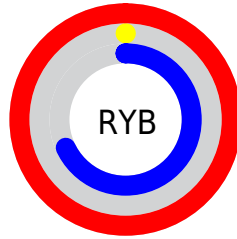
The Yxy color **24.2771, 0.4253, 0.2116** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **72.1289, 0.2882, 0.5576**, and the grayscale version is **11.5780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2245, 0.3446, 0.2079**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.2779, 0.4252, 0.2116**, and if you desaturate by 10%, it is **25.3220, 0.4116, 0.2086**.

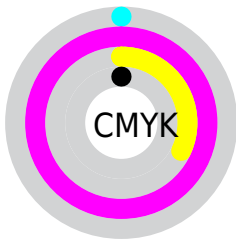
Distribution



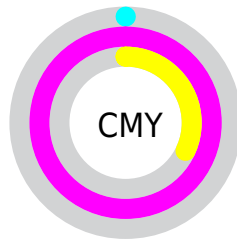
- Red (100%)
- Green (0%)
- Blue (68%)



- Red (100%)
- Yellow (0%)
- Blue (68%)



- Cyan (0%)
- Magenta (100%)
- Yellow (32%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2771, 0.4253, 0.2116 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 24.2771, 0.4253, 0.2116 by changing the saturation by 10% instead.


 24.2771, 0.4253,
0.2116


 24.2771, 0.4253,
0.2116


274.2184, 0.3668,
0.2700


 15.5393, 0.4404,
0.1974


 50.4820, 0.4036,
0.2326


 9.1987, 0.4601,
0.1795


 68.7179, 0.3956,
0.2406

 4.8710, 0.4864,
0.1565


 90.8886, 0.3888,
0.2473

 2.1718, 0.5234,
0.1262

 117.3786, 0.3831,
0.2532

 0.7046, 0.5786,
0.0849

 148.5721, 0.3782,
0.2582

 0.0000, 0.6862,
0.0000


184.8537, 0.3739,

 0.0000, 1.0000,

0.2626

0.0000


226.6077, 0.3701,
0.2666


 0.0000, 0.0000,
0.0000


 24.2771, 0.4253,
0.2116

 24.2771, 0.4253,
0.2116


 24.2779, 0.4252,
0.2116

 25.3220, 0.4116,
0.2086

 27.3198, 0.3976,
0.2103

 30.5574, 0.3836,
0.2170

 35.2098, 0.3699,
0.2281

 41.4238, 0.3572,
0.2424

■ 49.3275, 0.3457,
0.2590

■ 59.0361, 0.3355,
0.2766

■ 70.6543, 0.3267,
0.2946

■ 84.2789, 0.3191,
0.3121

Harmonies

Analogous

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



24.2771, 0.2673, 0.1577



24.2771, 0.4253, 0.2116



24.2771, 0.5645, 0.2843

Triad

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



24.2771, 0.4253, 0.2116



24.2771, 0.4141, 0.5689



24.2771, 0.0905, 0.1850

Complementary

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



24.2771, 0.4253, 0.2116



72.1289, 0.2882, 0.5576

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.



24.2771, 0.1083, 0.3031



24.2771, 0.4253, 0.2116



24.2771, 0.2893, 0.6239

Square

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



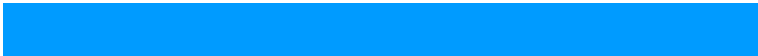
24.2771, 0.4253, 0.2116



24.2771, 0.5286, 0.4598



24.2771, 0.1760, 0.5034



24.2771, 0.1076, 0.1387

Rectangle

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



24.2771, 0.4253, 0.2116



24.2771, 0.5985, 0.3364



24.2771, 0.1760, 0.5034



24.2771, 0.0921, 0.2143

Sweetspot

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



24.2779, 0.4252, 0.2116



59.0361, 0.3355, 0.2766



8.9583, 0.1706, 0.0713



11.7114, 0.3396, 0.2691



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.



24.2779, 0.4252, 0.2116



21.4632, 0.6156, 0.3165



18.1952, 0.3188, 0.3130



12.7142, 0.4231, 0.2104



1.2579, 0.4084, 0.2024

Inverse Universe

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



24.2779, 0.4252, 0.2116



76.0864, 0.2416, 0.3896



18.1952, 0.3188, 0.3130



12.7142, 0.4231, 0.2104



1.2579, 0.4084, 0.2024

Previews

White Background



This preview shows how the Yxy color 24.2771, 0.4253, 0.2116 looks on a white background.

Color Contrast Check

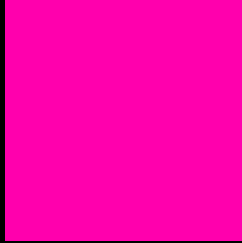
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2771, 0.4253, 0.2116 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 24.2771, 0.4253, 0.2116

Background



This preview shows how black text looks on a background with the Yxy color 24.2771, 0.4253, 0.2116.



This preview shows how white text looks on a background with the Yxy color 24.2771, 0.4253, 0.2116.

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

24.2771, 0.4253, 0.2116

Protanopia

25.2398, 0.1968, 0.1739

Deuteranopia

24.6666, 0.2891, 0.2837



Tritanopia

24.5456, 0.5592, 0.3275

Trichromacy



Original Color

24.2771, 0.4253, 0.2116



Protanomaly

17.5936, 0.2408, 0.1531



Deuteranomaly

18.9169, 0.3375, 0.2212



Tritanomaly

23.3197, 0.5219, 0.2807

Monochromacy



Original Color

24.2771, 0.4253, 0.2116



Achromatopsia

11.6971, 0.3127, 0.3290



Achromatomaly

11.6627, 0.3680, 0.2303

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2771, 0.4253, 0.2116 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, 0, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 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, 0, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 173) }
```

Border

The CSS property to change the border of an element to Yxy 24.2771, 0.4253, 0.2116 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, 0, 173) }
```

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

```
.border{ border-color:rgb(255, 0, 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, 0, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
173) }
```

Background

The CSS property to change the background color of an element to Yxy 24.2771, 0.4253, 0.2116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 173) }
```

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

```
.background{ background-color: rgb(255, 0,  
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](#).

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