

Converting Colors

$Y_{xy}(25.4738, 0.4213, 0.2169)$

Have a look what the booklet for
Yxy(25.4738, 0.4213, 0.2169)
contains.

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Color

Yxy(25.4600, 0.4217, 0.2171)

Conversions

Conversions Part 1

Format	Color
Hex	FF22AE
RGB	255, 34, 174
RGB Percent	100%, 13%, 68%
CMY	0.0000, 0.8667, 0.3176
CMYK	0.00, 0.87, 0.32, 0.00
HSL	322°, 100%, 57%
HSV	322°, 87%, 100%
XYZ	49.4541, 25.4600, 42.3591
YIQ	116.0390, 86.7760, 90.3920

Conversions

Conversions Part 2

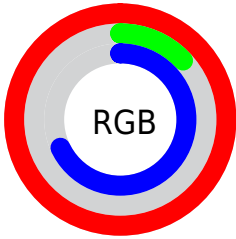
Format	Color
R _Y B	255, 34, 174
Decimal	16720558
CIE Lab	57.52, 85.25, -19.24
CIE LCh	58, 87.397, 347.281
Yxy	25.4600, 0.4217, 0.2171
Android (android.graphics.Color)	4294910638 (0xFFFF22AE)
YUV	116.0390, 28.5748, 121.8688
Hunter-Lab	50.4579, 86.6476, -14.4530

Details

The Yxy color **25.4600, 0.4217, 0.2171** 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 **73.0976, 0.2805, 0.5190**, and the grayscale version is **17.3689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3421, 0.3427, 0.2147**, and **12.7179, 0.4435, 0.2217** is the 20% darker color. If you saturate the color by 10%, you get **24.1491, 0.4380, 0.2199**, and if you desaturate by 10%, it is **27.8735, 0.4050, 0.2196**.

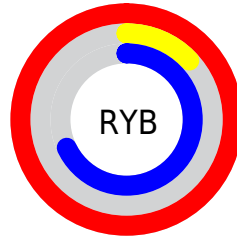
Distribution



Red (100%)

Green (13%)

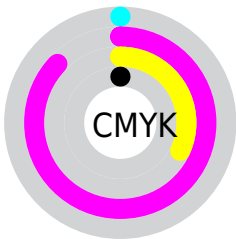
Blue (68%)



Red (100%)

Yellow (13%)

Blue (68%)

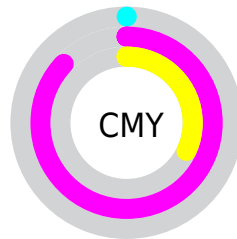


Cyan (0%)

Magenta (87%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (87%)

Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.4600, 0.4217, 0.2171 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 25.4600, 0.4217, 0.2171 by changing the saturation by 10% instead.


 25.4600, 0.4217,
0.2171


 25.4600, 0.4217,
0.2171


280.1211, 0.3652,
0.2728

 16.4201, 0.4363,
0.2035


 52.4025, 0.4008,
0.2371


 9.8219, 0.4552,
0.1864


 71.0739, 0.3930,
0.2447


 5.2810, 0.4807,
0.1644


 93.7246, 0.3865,
0.2512

 2.4131, 0.5164,
0.1351

 120.7389, 0.3810,
0.2567

 0.8326, 0.5691,
0.0959

 152.5014, 0.3762,
0.2615

 0.0000, 0.6819,
0.0000

189.3963, 0.3720,


 0.0000, 1.0000,


0.2657

0.0000

231.8081, 0.3684,
0.2695

 0.0000, 0.0000,
0.0000

 25.4600, 0.4217,
0.2171

 25.4600, 0.4217,
0.2171

 24.1491, 0.4380,
0.2199


 27.8735, 0.4050,
0.2196

 23.8528, 0.4434,
0.2216

 31.5942, 0.3885,
0.2270

 36.7868, 0.3729,
0.2384

 43.5914, 0.3586,
0.2527

 52.1316, 0.3459,
0.2688

62.5188, 0.3348,
0.2855

74.8550, 0.3253,
0.3023

89.2349, 0.3173,
0.3186

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.



25.4600, 0.2712, 0.1640



25.4600, 0.4217, 0.2171



25.4600, 0.5533, 0.2887

Triad

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



25.4600, 0.4217, 0.2171



25.4600, 0.4134, 0.5621



25.4600, 0.0976, 0.1911

Complementary

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



25.4600, 0.4217, 0.2171



73.0976, 0.2805, 0.5190

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.



25.4600, 0.1157, 0.3045



25.4600, 0.4217, 0.2171



25.4600, 0.2927, 0.6075

Square

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



25.4600, 0.4217, 0.2171



25.4600, 0.5221, 0.4603



25.4600, 0.1824, 0.4912



25.4600, 0.1144, 0.1453

Rectangle

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



25.4600, 0.4217, 0.2171



25.4600, 0.5865, 0.3403



25.4600, 0.1824, 0.4912



25.4600, 0.0993, 0.2196

Sweetspot

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



25.4606, 0.4217, 0.2171



63.2791, 0.3341, 0.2867



11.7664, 0.1903, 0.0888



12.7185, 0.3377, 0.2808



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.



25.4606, 0.4217, 0.2171



23.8528, 0.4434, 0.2216



22.8112, 0.5857, 0.3120



18.1808, 0.3195, 0.3140



12.4934, 0.4408, 0.2202



1.2375, 0.4234, 0.2106

Inverse Universe

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



25.4606, 0.4217, 0.2171



23.8528, 0.4434, 0.2216



77.1260, 0.2384, 0.3708



18.1808, 0.3195, 0.3140



12.4934, 0.4408, 0.2202



1.2375, 0.4234, 0.2106

Previews

White Background



This preview shows how the Yxy color 25.4600, 0.4217, 0.2171 looks on a white background.

Color Contrast Check

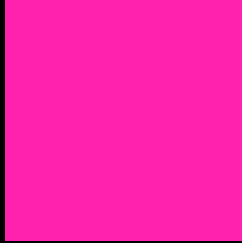
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.4600, 0.4217, 0.2171 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 25.4600, 0.4217, 0.2171

Background



This preview shows how black text looks on a background with the Yxy color 25.4600, 0.4217, 0.2171.



This preview shows how white text looks on a background with the Yxy color 25.4600, 0.4217, 0.2171.

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

25.4600, 0.4217, 0.2171

Protanopia

25.9727, 0.2028, 0.1812

Deuteranopia

25.5477, 0.2904, 0.2844



Tritanopia

25.4041, 0.5467, 0.3265

Trichromacy



Original Color

25.4600, 0.4217, 0.2171



Protanomaly

20.2814, 0.2497, 0.1711



Deuteranomaly

21.4705, 0.3359, 0.2354



Tritanomaly

24.8294, 0.5081, 0.2846

Monochromacy



Original Color

25.4600, 0.4217, 0.2171



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

16.6772, 0.3598, 0.2523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.4600, 0.4217, 0.2171 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, 34, 174)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 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, 34, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 174) }
```

Border

The CSS property to change the border of an element to Yxy 25.4600, 0.4217, 0.2171 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, 34, 174) }
```

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

```
.border{ border-color:rgb(255, 34, 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, 34, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 174);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 25.4600, 0.4217, 0.2171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 174) }
```

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

```
.background{ background-color: rgb(255, 34,  
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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