

Converting Colors

$Y_{xy}(22.1565, 0.4296, 0.2575)$

Have a look what the booklet for
Yxy(22.1565, 0.4296, 0.2575)
contains.

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Color

Yxy(22.1338, 0.4303, 0.2579)

Conversions

Conversions Part 1

Format	Color
Hex	DD4A8B
RGB	221, 74, 139
RGB Percent	87%, 29%, 55%
CMY	0.1333, 0.7098, 0.4548
CMYK	0.00, 0.67, 0.37, 0.13
HSL	333°, 68%, 58%
HSV	333°, 67%, 87%
XYZ	36.9297, 22.1338, 26.7597
YIQ	125.3630, 66.7470, 51.3790

Conversions

Conversions Part 2

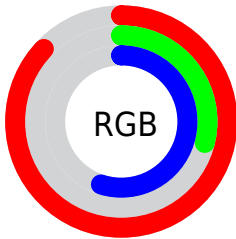
Format	Color
R_{YB}	221, 74, 139
Decimal	14502539
CIE _{Lab}	54.17, 62.40, -4.30
CIE _{LCh}	54, 62.548, 356.061
Yxy	22.1338, 0.4303, 0.2579
Android (android.graphics.Color)	4292692619 (0xFFDD4A8B)
YUV	125.3630, 6.7230, 83.8736
Hunter-Lab	47.0466, 57.7840, -0.7910

Details

The Yxy color **22.1338, 0.4303, 0.2579** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **55.5703, 0.2656, 0.4255**, and the grayscale version is **20.5978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.2984, 0.3800, 0.2666**, and **8.2983, 0.4717, 0.2372** is the 20% darker color. If you saturate the color by 10%, you get **19.3441, 0.4582, 0.2543**, and if you desaturate by 10%, it is **26.0025, 0.4044, 0.2654**.

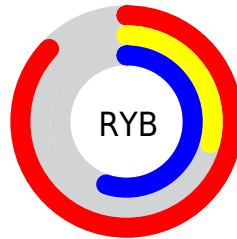
Distribution



Red (87%)

Green (29%)

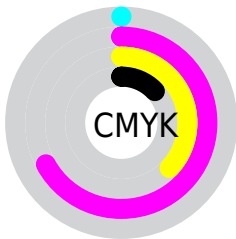
Blue (55%)



Red (87%)

Yellow (29%)

Blue (55%)

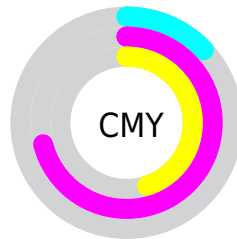


Cyan (0%)

Magenta (67%)

Yellow (37%)

Black (13%)



Cyan (13%)


Magenta (71%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1338, 0.4303, 0.2579 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 22.1338, 0.4303, 0.2579 by changing the saturation by 10% instead.


 22.1338, 0.4303,
0.2579


 22.1338, 0.4303,
0.2579


263.2442, 0.3653,
0.2965


 13.9552, 0.4487,
0.2472


 46.9670, 0.4051,
0.2727

 8.0895, 0.4737,
0.2329

 64.3905, 0.3961,
0.2780


 4.1523, 0.5094,
0.2129

 85.6644, 0.3888,
0.2824

 1.7591, 0.5640,
0.1831

 111.1732, 0.3826,
0.2861

 0.4615, 0.6670,
0.1216

 141.3011, 0.3773,
0.2893

 0.0000, 1.0000,
0.0000

176.4327, 0.3727,

 0.0000, 0.0000,

0.2920

0.0000

216.9522, 0.3688,
0.2944

■ 22.1338, 0.4303,
0.2579

■ 22.1338, 0.4303,
0.2579

■ 19.3441, 0.4582,
0.2543

■ 26.0025, 0.4044,
0.2654

■ 17.5145, 0.4866,
0.2557

■ 31.0454, 0.3814,
0.2754


■ 16.5000, 0.5138,
0.2625

■ 37.3515, 0.3615,
0.2868


■ 16.2498, 0.5230,
0.2655


■ 44.9999, 0.3447,
0.2987

■ 54.0631, 0.3307,
0.3106

 64.6086, 0.3191,
0.3219

 76.6995, 0.3096,
0.3326

 90.3950, 0.3018,
0.3426

 93.7915, 0.2950,
0.3341

Harmonies

Analogous

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



22.1338, 0.3146, 0.2058



22.1338, 0.4303, 0.2579



22.1338, 0.5133, 0.3239

Triad

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



22.1338, 0.4303, 0.2579



22.1338, 0.3796, 0.5315



22.1338, 0.1361, 0.2068

Complementary

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



22.1338, 0.4303, 0.2579



55.5703, 0.2656, 0.4255

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.



22.1338, 0.1455, 0.2837



22.1338, 0.4303, 0.2579



22.1338, 0.2797, 0.5175

Square

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



22.1338, 0.4303, 0.2579



22.1338, 0.4688, 0.4728



22.1338, 0.1938, 0.4078



22.1338, 0.1597, 0.1754

Rectangle

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



22.1338, 0.4303, 0.2579



22.1338, 0.5282, 0.3717



22.1338, 0.1938, 0.4078



22.1338, 0.1354, 0.2267

Sweetspot

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



22.1350, 0.4303, 0.2579



69.9674, 0.3355, 0.3063



17.0722, 0.2494, 0.1469



14.2167, 0.3395, 0.3029



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.



22.1350, 0.4303, 0.2579



25.5576, 0.4700, 0.2542



21.8042, 0.5257, 0.3369



13.1467, 0.3223, 0.3187



9.4614, 0.5192, 0.2634



0.6301, 0.4788, 0.2411

Inverse Universe

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



22.1350, 0.4303, 0.2579



25.5576, 0.4700, 0.2542



54.5943, 0.2326, 0.3188



13.1467, 0.3223, 0.3187



9.4614, 0.5192, 0.2634



0.6301, 0.4788, 0.2411

Previews

White Background



This preview shows how the Yxy color 22.1338, 0.4303, 0.2579 looks on a white background.

Color Contrast Check

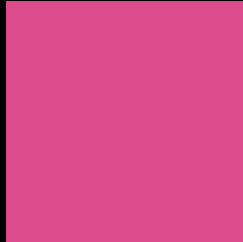
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1338, 0.4303, 0.2579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

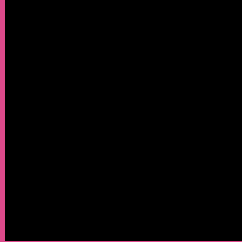
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1338, 0.4303, 0.2579

Background



This preview shows how black text looks on a background with the Yxy color 22.1338, 0.4303, 0.2579.



This preview shows how white text looks on a background with the Yxy color 22.1338, 0.4303, 0.2579.

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

22.1338, 0.4303, 0.2579

Protanopia

22.2762, 0.2576, 0.2528

Deuteranopia

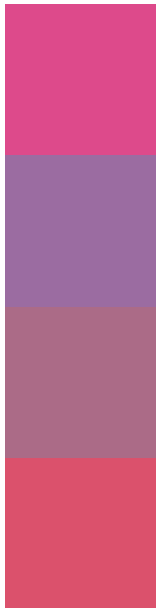
22.3384, 0.3252, 0.3188



Tritanopia

22.1578, 0.4964, 0.3231

Trichromacy



Original Color

22.1338, 0.4303, 0.2579

Protanomaly

20.2669, 0.3092, 0.2475

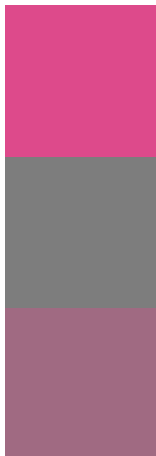
Deuteranomaly

20.9226, 0.3624, 0.2869

Tritanomaly

22.0276, 0.4744, 0.2997

Monochromacy



Original Color

22.1338, 0.4303, 0.2579

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

19.3934, 0.3551, 0.2908

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1338, 0.4303, 0.2579 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(221, 74, 139)` looks like.

```
.text, #text, p{  
  color:rgb(221, 74, 139)  
}
```

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(221, 74, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 74, 139) }
```

Border

The CSS property to change the border of an element to Yxy 22.1338, 0.4303, 0.2579 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(221, 74, 139) }
```

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

```
.border{ border-color:rgb(221, 74, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 74, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 74, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 74, 139);  
box-shadow:4px 4px 4px 4px rgb(221, 74,  
139) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1338, 0.4303, 0.2579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 74, 139) }
```

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

```
.background{ background-color: rgb(221, 74,  
139) }
```

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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