

Converting Colors

$Y_{xy}(22.1997, 0.4229, 0.2538)$

Have a look what the booklet for
Yxy(22.1997, 0.4229, 0.2538)
contains.

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Color

Yxy(22.2310, 0.4225, 0.2539)

Conversions

Conversions Part 1

Format	Color
Hex	DC4B8F
RGB	220, 75, 143
RGB Percent	86%, 29%, 56%
CMY	0.1372, 0.7059, 0.4392
CMYK	0.00, 0.66, 0.35, 0.14
HSL	332°, 67%, 58%
HSV	332°, 66%, 86%
XYZ	36.9933, 22.2310, 28.3338
YIQ	126.1070, 64.5920, 51.8880

Conversions

Conversions Part 2

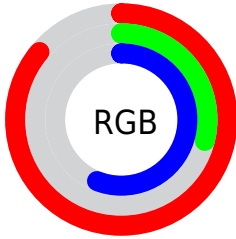
Format	Color
R _{YB}	220, 75, 143
Decimal	14437263
CIE Lab	54.27, 62.17, -6.53
CIE LCh	54, 62.509, 354.004
Yxy	22.2310, 0.4225, 0.2539
Android (android.graphics.Color)	4292627343 (0xFFDC4B8F)
YUV	126.1070, 8.3282, 82.3442
Hunter-Lab	47.1498, 57.5375, -2.6244

Details

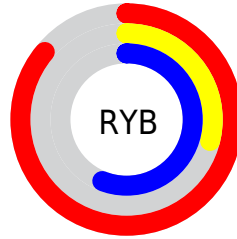
The Yxy color **22.2310, 0.4225, 0.2539** is a dark color, and the websafe version is hex **FF6699**. The color can be described as middle muted rose. A complement of this color would be **54.9559, 0.2677, 0.4306**, and the grayscale version is **20.8564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.7937, 0.3744, 0.2627**, and **8.3674, 0.4615, 0.2316** is the 20% darker color. If you saturate the color by 10%, you get **19.4107, 0.4486, 0.2494**, and if you desaturate by 10%, it is **26.1219, 0.3983, 0.2622**.

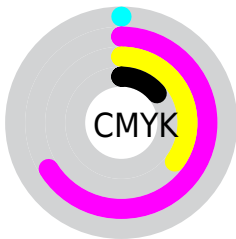
Distribution



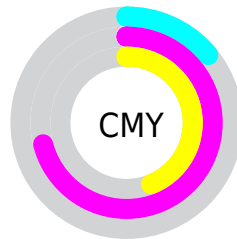
- Red (86%)
- Green (29%)
- Blue (56%)



- Red (86%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (66%)
- Yellow (35%)
- Black (14%)





- Cyan (14%)
- Magenta (71%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.2310, 0.4225, 0.2539 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 22.2310, 0.4225, 0.2539 by changing the saturation by 10% instead.


 22.2310, 0.4225,
0.2539


 22.2310, 0.4225,
0.2539


263.7502, 0.3622,
0.2942


 14.0267, 0.4395,
0.2429


 47.1275, 0.3992,
0.2692

 8.1393, 0.4625,
0.2283


 64.5885, 0.3908,
0.2748

 4.1842, 0.4953,
0.2080

 85.9039, 0.3840,
0.2794

 1.7771, 0.5453,
0.1783

 111.4581, 0.3782,
0.2833

 0.4729, 0.6378,
0.1186

 141.6354, 0.3733,
0.2866

 0.0000, 1.0000,
0.0000

176.8202, 0.3691,

 0.0000, 0.0000,

0.2895

0.0000

217.3971, 0.3654,
0.2920

■ 22.2310, 0.4225,
0.2539

■ 22.2310, 0.4225,
0.2539

■ 19.4107, 0.4486,
0.2494

■ 26.1219, 0.3983,
0.2622

■ 17.5448, 0.4754,
0.2499

■ 31.1767, 0.3768,
0.2730

■ 16.4950, 0.5013,
0.2558

■ 37.4824, 0.3581,
0.2851

■ 16.2012, 0.5116,
0.2592

■ 45.1168, 0.3424,
0.2977

■ 54.1512, 0.3292,
0.3102

64.6517, 0.3183,
0.3222

76.6805, 0.3092,
0.3335

90.2958, 0.3018,
0.3440

93.5243, 0.2954,
0.3359

Harmonies

Analogous

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



22.2310, 0.3070, 0.2032



22.2310, 0.4225, 0.2539



22.2310, 0.5094, 0.3192

Triad

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



22.2310, 0.4225, 0.2539



22.2310, 0.3863, 0.5287



22.2310, 0.1359, 0.2107

Complementary

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



22.2310, 0.4225, 0.2539



54.9559, 0.2677, 0.4306

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.



22.2310, 0.1478, 0.2910



22.2310, 0.4225, 0.2539



22.2310, 0.2865, 0.5214

Square

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



22.2310, 0.4225, 0.2539



22.2310, 0.4737, 0.4675



22.2310, 0.1989, 0.4168



22.2310, 0.1572, 0.1766

Rectangle

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



22.2310, 0.4225, 0.2539



22.2310, 0.5279, 0.3667



22.2310, 0.1989, 0.4168



22.2310, 0.1360, 0.2317

Sweetspot

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



22.2322, 0.4225, 0.2539



70.0429, 0.3345, 0.3050



16.6751, 0.2453, 0.1461



14.2347, 0.3383, 0.3014



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.



22.2322, 0.4225, 0.2539



25.9961, 0.4586, 0.2490



21.0905, 0.5269, 0.3320



13.1527, 0.3219, 0.3181



9.5290, 0.5080, 0.2572



0.6347, 0.4696, 0.2360

Inverse Universe

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



22.2322, 0.4225, 0.2539



25.9961, 0.4586, 0.2490



56.5976, 0.2346, 0.3255



13.1527, 0.3219, 0.3181



9.5290, 0.5080, 0.2572



0.6347, 0.4696, 0.2360

Previews

White Background



This preview shows how the Yxy color 22.2310, 0.4225, 0.2539 looks on a white background.

Color Contrast Check

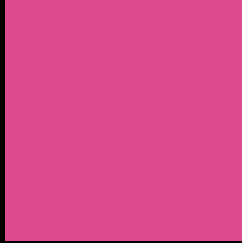
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2310, 0.4225, 0.2539 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

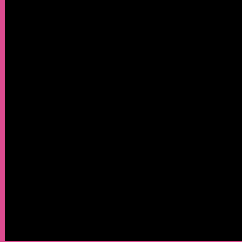
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2310, 0.4225, 0.2539

Background



This preview shows how black text looks on a background with the Yxy color 22.2310, 0.4225, 0.2539.



This preview shows how white text looks on a background with the Yxy color 22.2310, 0.4225, 0.2539.

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

22.2310, 0.4225, 0.2539

Protanopia

22.6682, 0.2530, 0.2473

Deuteranopia

22.2747, 0.3183, 0.3120



Tritanopia

22.1880, 0.4915, 0.3240

Trichromacy



Original Color

22.2310, 0.4225, 0.2539



Protanomaly

20.5605, 0.3023, 0.2421



Deuteranomaly

20.8145, 0.3544, 0.2807



Tritanomaly

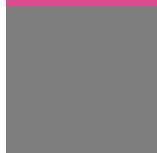
22.0859, 0.4664, 0.2979

Monochromacy



Original Color

22.2310, 0.4225, 0.2539



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

19.6549, 0.3521, 0.2893

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2310, 0.4225, 0.2539 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(220, 75, 143)` looks like.

```
.text, #text, p{  
  color:rgb(220, 75, 143)  
}
```

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(220, 75, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 75, 143) }
```

Border

The CSS property to change the border of an element to Yxy 22.2310, 0.4225, 0.2539 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(220, 75, 143) }
```

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

```
.border{ border-color:rgb(220, 75, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 75, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 75, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 75, 143);  
box-shadow:4px 4px 4px 4px rgb(220, 75,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2310, 0.4225, 0.2539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 75, 143) }
```

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

```
.background{ background-color: rgb(220, 75,  
143) }
```

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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