

Converting Colors

$Y_{xy}(21.2927, 0.4247, 0.2309)$

Have a look what the booklet for
Yxy(21.2927, 0.4247, 0.2309)
contains.

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Color

Yxy(21.2927, 0.4247, 0.2309)

Conversions

Conversions Part 1

Format	Color
Hex	E53398
RGB	229, 51, 152
RGB Percent	90%, 20%, 60%
CMY	0.1020, 0.7999, 0.4038
CMYK	0.00, 0.78, 0.34, 0.10
HSL	326°, 77%, 55%
HSV	326°, 78%, 90%
XYZ	39.1642, 21.2927, 31.7592
YIQ	115.7360, 73.6670, 69.1470

Conversions

Conversions Part 2

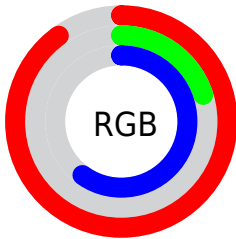
Format	Color
R _Y B	229, 51, 152
Decimal	15020952
CIE Lab	53.27, 73.50, -13.21
CIE LCh	53, 74.673, 349.811
Yxy	21.2927, 0.4247, 0.2309
Android (android.graphics.Color)	4293211032 (0xFFE53398)
YUV	115.7360, 17.8782, 99.3325
Hunter-Lab	46.1440, 70.7477, -8.5063

Details

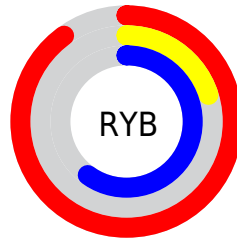
The Yxy color **21.2927, 0.4247, 0.2309** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **58.2979, 0.2739, 0.4798**, and the grayscale version is **17.3107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9777, 0.3677, 0.2387**, and **9.2644, 0.4524, 0.2266** is the 20% darker color. If you saturate the color by 10%, you get **19.4496, 0.4453, 0.2302**, and if you desaturate by 10%, it is **24.1495, 0.4044, 0.2366**.

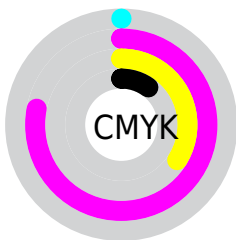
Distribution



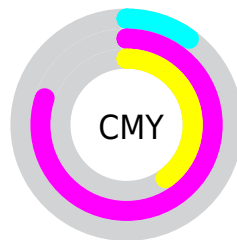
- Red (90%)
- Green (20%)
- Blue (60%)



- Red (90%)
- Yellow (20%)
- Blue (60%)



- Cyan (0%)
- Magenta (78%)
- Yellow (34%)
- Black (10%)




- Cyan (10%)
- Magenta (80%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2927, 0.4247, 0.2309 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 21.2927, 0.4247, 0.2309 by changing the saturation by 10% instead.


 21.2927, 0.4247,
0.2309


 21.2927, 0.4247,
0.2309


258.8300, 0.3640,
0.2822


 13.3381, 0.4414,
0.2175


 45.5742, 0.4015,
0.2500


 7.6618, 0.4638,
0.2001


 62.6698, 0.3931,
0.2571

 3.8793, 0.4952,
0.1766


 83.5813, 0.3862,
0.2630

 1.6063, 0.5417,
0.1438

 108.6930, 0.3803,
0.2680

 0.3618, 0.6285,
0.0780

 138.3894, 0.3753,
0.2723

 0.0000, 0.9083,
0.0000

173.0547, 0.3710,

 0.0000, 1.0000,

0.2760

0.0000

213.0734, 0.3673,
0.2793

■ 0.0000, 0.0000,
0.0000

■ 21.2927, 0.4247,
0.2309

■ 21.2927, 0.4247,
0.2309

■ 19.4496, 0.4453,
0.2302

■ 24.1495, 0.4044,
0.2366

■ 18.4420, 0.4654,
0.2348

■ 28.1445, 0.3853,
0.2465


■ 18.2675, 0.4700,
0.2363


■ 33.3881, 0.3679,
0.2591

■ 39.9763, 0.3526,
0.2735

■ 47.9959, 0.3395,
0.2885

 57.5262, 0.3283,
0.3036

 68.6406, 0.3189,
0.3182

 81.4079, 0.3111,
0.3321

 94.5372, 0.3046,
0.3429

Harmonies

Analogous

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



21.2927, 0.2860, 0.1781



21.2927, 0.4247, 0.2309



21.2927, 0.5389, 0.3008

Triad

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



21.2927, 0.4247, 0.2309



21.2927, 0.4038, 0.5541



21.2927, 0.1105, 0.1971

Complementary

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



21.2927, 0.4247, 0.2309



58.2979, 0.2739, 0.4798

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.



21.2927, 0.1264, 0.2973



21.2927, 0.4247, 0.2309



21.2927, 0.2901, 0.5766

Square

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



21.2927, 0.4247, 0.2309



21.2927, 0.5047, 0.4664



21.2927, 0.1874, 0.4602



21.2927, 0.1293, 0.1558

Rectangle

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



21.2927, 0.4247, 0.2309



21.2927, 0.5660, 0.3515



21.2927, 0.1874, 0.4602



21.2927, 0.1116, 0.2227

Sweetspot

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



21.2939, 0.4247, 0.2309



66.5905, 0.3341, 0.2955



12.3992, 0.2136, 0.1112



13.3414, 0.3383, 0.2900



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.



21.2939, 0.4247, 0.2309



23.9689, 0.4571, 0.2324



19.4178, 0.5656, 0.3186



14.5044, 0.3204, 0.3157



10.4697, 0.4670, 0.2346



0.7922, 0.4398, 0.2197

Inverse Universe

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



21.2939, 0.4247, 0.2309



23.9689, 0.4571, 0.2324



61.6030, 0.2353, 0.3489



14.5044, 0.3204, 0.3157



10.4697, 0.4670, 0.2346



0.7922, 0.4398, 0.2197

Previews

White Background



This preview shows how the Yxy color 21.2927, 0.4247, 0.2309 looks on a white background.

Color Contrast Check

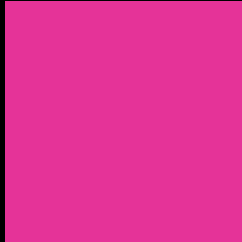
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2927, 0.4247, 0.2309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

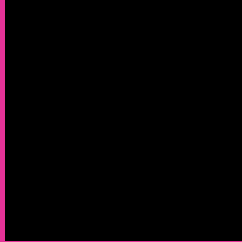
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2927, 0.4247, 0.2309

Background



This preview shows how black text looks on a background with the Yxy color 21.2927, 0.4247, 0.2309.



This preview shows how white text looks on a background with the Yxy color 21.2927, 0.4247, 0.2309.

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

21.2927, 0.4247, 0.2309

Protanopia

21.5757, 0.2222, 0.2071

Deuteranopia

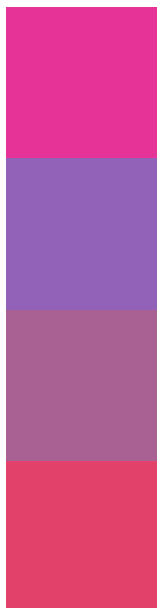
21.3850, 0.3025, 0.2962



Tritanopia

21.2949, 0.5289, 0.3258

Trichromacy



Original Color

21.2927, 0.4247, 0.2309

Protanomaly

18.3070, 0.2741, 0.2017

Deuteranomaly

18.9495, 0.3458, 0.2559

Tritanomaly

21.0851, 0.4947, 0.2909

Monochromacy



Original Color

21.2927, 0.4247, 0.2309

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.4074, 0.3563, 0.2694

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2927, 0.4247, 0.2309 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(229, 51, 152)` looks like.

```
.text, #text, p{  
    color:rgb(229, 51, 152)  
}
```

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(229, 51, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 51, 152) }
```

Border

The CSS property to change the border of an element to Yxy 21.2927, 0.4247, 0.2309 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(229, 51, 152) }
```

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

```
.border{ border-color:rgb(229, 51, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 51, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 51, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 51, 152);  
box-shadow:4px 4px 4px 4px rgb(229, 51,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2927, 0.4247, 0.2309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 51, 152) }
```

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

```
.background{ background-color: rgb(229, 51,  
152) }
```

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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