

Converting Colors

$Y_{xy}(21.7583, 0.4709, 0.2618)$

Have a look what the booklet for
Yxy(21.7583, 0.4709, 0.2618)
contains.

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Color

Yxy(21.7571, 0.4709, 0.2618)

Conversions

Conversions Part 1

Format	Color
Hex	EA377F
RGB	234, 55, 127
RGB Percent	92%, 22%, 50%
CMY	0.0823, 0.7844, 0.5020
CMYK	0.00, 0.77, 0.46, 0.08
HSL	336°, 81%, 57%
HSV	336°, 77%, 92%
XYZ	39.1345, 21.7571, 22.2142
YIQ	116.7290, 83.5720, 60.3400

Conversions

Conversions Part 2

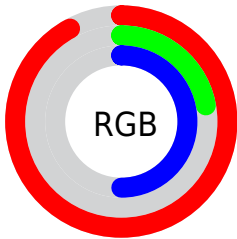
Format	Color
R_{YB}	234, 55, 127
Decimal	15349631
CIE _{Lab}	53.77, 71.25, 2.55
CIE _{LCh}	54, 71.292, 2.051
Yxy	21.7571, 0.4709, 0.2618
Android (android.graphics.Color)	4293539711 (0xFFEA377F)
YUV	116.7290, 5.0636, 102.8467
Hunter-Lab	46.6445, 68.1328, 4.4146

Details

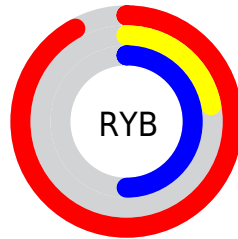
The Yxy color **21.7571, 0.4709, 0.2618** is a dark color, and the websafe version is hex **CC0066**. The color can be described as middle washed rose. A complement of this color would be **62.2797, 0.2605, 0.4324**, and the grayscale version is **17.6618, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5122, 0.3970, 0.2662**, and **9.3207, 0.5144, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **19.6989, 0.5018, 0.2641**, and if you desaturate by 10%, it is **24.9211, 0.4404, 0.2645**.

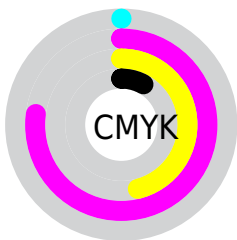
Distribution



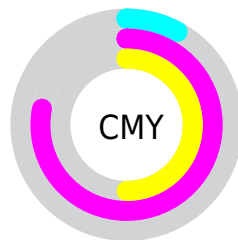
- Red (92%)
- Green (22%)
- Blue (50%)



- Red (92%)
- Yellow (22%)
- Blue (50%)



- Cyan (0%)
- Magenta (77%)
- Yellow (46%)
- Black (8%)





- Cyan (8%)
- Magenta (78%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7571, 0.4709, 0.2618 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 21.7571, 0.4709, 0.2618 by changing the saturation by 10% instead.


 21.7571, 0.4709,
0.2618


 21.7571, 0.4709,
0.2618


261.2752, 0.3828,
0.2998


 13.6785, 0.4959,
0.2508


 46.3442, 0.4367,
0.2767

 7.8974, 0.5297,
0.2358


 63.6215, 0.4245,
0.2820


 4.0294, 0.5776,
0.2142

 84.7339, 0.4145,
0.2863

 1.6900, 0.6489,
0.1815

 110.0657, 0.4061,
0.2899

 0.4172, 0.8078,
0.1157

 140.0013, 0.3989,
0.2929

 0.0000, 1.0000,
0.0000

174.9252, 0.3928,

 0.0000, 0.0000,

0.2955

0.0000

215.2217, 0.3875,
0.2978

■ 21.7571, 0.4709,
0.2618

■ 21.7571, 0.4709,
0.2618

■ 19.6989, 0.5018,
0.2641

■ 24.9211, 0.4404,
0.2645

■ 18.5751, 0.5309,
0.2718


■ 29.3208, 0.4120,
0.2710


■ 18.3073, 0.5406,
0.2752

■ 35.0719, 0.3868,
0.2800


■ 42.2756, 0.3652,
0.2904

■ 51.0233, 0.3470,
0.3013

 61.3990, 0.3320,
0.3122

 73.4803, 0.3196,
0.3226

 87.3402, 0.3094,
0.3323

 96.1017, 0.3011,
0.3310

Harmonies

Analogous

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



21.7571, 0.3395, 0.2019



21.7571, 0.4709, 0.2618



21.7571, 0.5493, 0.3337

Triad

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



21.7571, 0.4709, 0.2618



21.7571, 0.3589, 0.5652



21.7571, 0.1210, 0.1812

Complementary

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



21.7571, 0.4709, 0.2618



62.2797, 0.2605, 0.4324

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.



21.7571, 0.1225, 0.2526



21.7571, 0.4709, 0.2618



21.7571, 0.2498, 0.5320

Square

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



21.7571, 0.4709, 0.2618



21.7571, 0.4632, 0.4999



21.7571, 0.1636, 0.3873



21.7571, 0.1530, 0.1570

Rectangle

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



21.7571, 0.4709, 0.2618



21.7571, 0.5511, 0.3855



21.7571, 0.1636, 0.3873



21.7571, 0.1177, 0.1987

Sweetspot

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



21.7583, 0.4709, 0.2618



66.0622, 0.3416, 0.3051



16.0852, 0.2428, 0.1276



13.2142, 0.3474, 0.3011



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.



21.7583, 0.4709, 0.2618



23.0071, 0.5194, 0.2681



22.1389, 0.5673, 0.3412



15.1545, 0.3230, 0.3196



10.3086, 0.5365, 0.2729



0.8280, 0.5000, 0.2528

Inverse Universe

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



21.7583, 0.4709, 0.2618



23.0071, 0.5194, 0.2681



57.4704, 0.2247, 0.3090



15.1545, 0.3230, 0.3196



10.3086, 0.5365, 0.2729



0.8280, 0.5000, 0.2528

Previews

White Background



This preview shows how the Yxy color 21.7571, 0.4709, 0.2618 looks on a white background.

Color Contrast Check

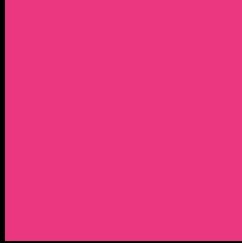
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7571, 0.4709, 0.2618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

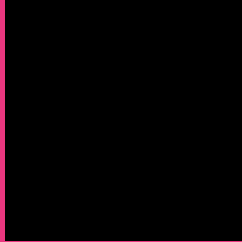
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.7571, 0.4709, 0.2618

Background



This preview shows how black text looks on a background with the Yxy color 21.7571, 0.4709, 0.2618.



This preview shows how white text looks on a background with the Yxy color 21.7571, 0.4709, 0.2618.

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

21.7571, 0.4709, 0.2618

Protanopia

22.1545, 0.2625, 0.2602

Deuteranopia

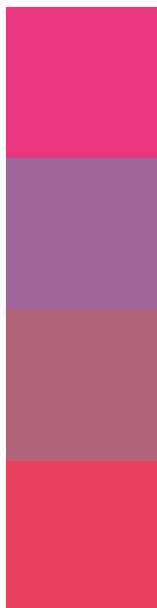
21.7431, 0.3458, 0.3394



Tritanopia

21.7262, 0.5449, 0.3262

Trichromacy



Original Color

21.7571, 0.4709, 0.2618

Protanomaly

19.1140, 0.3243, 0.2481

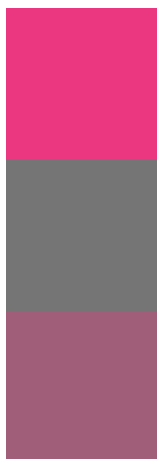
Deuteranomaly

19.6513, 0.3934, 0.2968

Tritanomaly

21.6129, 0.5204, 0.3032

Monochromacy



Original Color

21.7571, 0.4709, 0.2618

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

16.8595, 0.3721, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7571, 0.4709, 0.2618 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(234, 55, 127)` looks like.

```
.text, #text, p{  
  color:rgb(234, 55, 127)  
}
```

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(234, 55, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 55, 127) }
```

Border

The CSS property to change the border of an element to Yxy 21.7571, 0.4709, 0.2618 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(234, 55, 127) }
```

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

```
.border{ border-color:rgb(234, 55, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 55, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 55, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 55, 127);  
box-shadow:4px 4px 4px 4px rgb(234, 55,  
127) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.7571, 0.4709, 0.2618$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 55, 127) }
```

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

```
.background{ background-color: rgb(234, 55,  
127) }
```

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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