

Converting Colors

$Y_{xy}(21.2800, 0.4741, 0.2598)$

Have a look what the booklet for
Yxy(21.2800, 0.4741, 0.2598)
contains.

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Color

Yxy(21.2800, 0.4741, 0.2598)

Conversions

Conversions Part 1

Format	Color
Hex	EA327E
RGB	234, 50, 126
RGB Percent	92%, 20%, 49%
CMY	0.0824, 0.8037, 0.5059
CMYK	0.00, 0.79, 0.46, 0.08
HSL	335°, 81%, 56%
HSV	335°, 79%, 92%
XYZ	38.8331, 21.2800, 21.7960
YIQ	113.6800, 85.2680, 62.6440

Conversions

Conversions Part 2

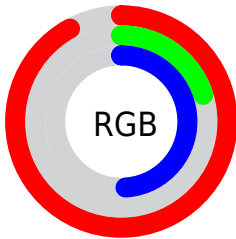
Format	Color
R_{YB}	234, 50, 126
Decimal	15348350
CIE _{Lab}	53.25, 72.50, 2.41
CIE _{LCh}	53, 72.544, 1.903
Yxy	21.2800, 0.4741, 0.2598
Android (android.graphics.Color)	4293538430 (0xFFEA327E)
YUV	113.6800, 6.0738, 105.5206
Hunter-Lab	46.1303, 69.5360, 4.2773

Details

The Yxy color **21.2800, 0.4741, 0.2598** 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 **61.9846, 0.2613, 0.4387**, and the grayscale version is **16.6965, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7358, 0.4002, 0.2654**, and **9.3065, 0.5168, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **19.4329, 0.5042, 0.2631**, and if you desaturate by 10%, it is **24.1995, 0.4440, 0.2617**.

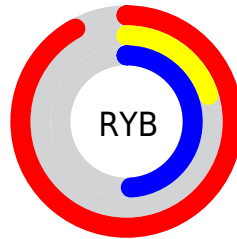
Distribution



Red (92%)

Green (20%)

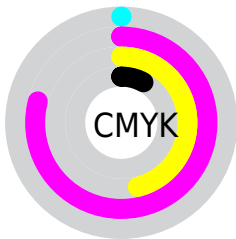
Blue (49%)



Red (92%)

Yellow (20%)

Blue (49%)

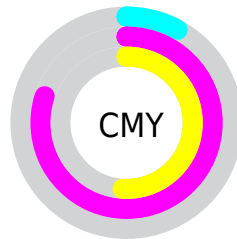


Cyan (0%)

Magenta (79%)

Yellow (46%)

Black (8%)



Cyan (8%)


Magenta (80%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 21.2800, 0.4741, 0.2598 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 21.2800, 0.4741, 0.2598 by changing the saturation by 10% instead.


 21.2800, 0.4741,
0.2598


 21.2800, 0.4741,
0.2598


258.7628, 0.3840,
0.2990

 13.3288, 0.4997,
0.2484


 45.5531, 0.4390,
0.2752

 7.6554, 0.5345,
0.2329


 62.6438, 0.4266,
0.2806


 3.8752, 0.5836,
0.2106

 83.5497, 0.4163,
0.2851

 1.6040, 0.6568,
0.1769

 108.6554, 0.4077,
0.2888

 0.3603, 0.8303,
0.1046

 138.3451, 0.4005,
0.2919

 0.0000, 1.0000,
0.0000

173.0034, 0.3942,

 0.0000, 0.0000,

0.2946

0.0000

213.0145, 0.3888,
0.2969

■ 21.2800, 0.4741,
0.2598

■ 21.2800, 0.4741,
0.2598

■ 19.4329, 0.5042,
0.2631

■ 24.1995, 0.4440,
0.2617

■ 18.4516, 0.5324,
0.2714


■ 28.3264, 0.4157,
0.2678

■ 18.3449, 0.5362,
0.2727


■ 33.7797, 0.3903,
0.2766


■ 40.6628, 0.3684,
0.2871

■ 49.0689, 0.3499,
0.2983

 59.0831, 0.3345,
0.3094

 70.7844, 0.3218,
0.3202

 84.2464, 0.3114,
0.3304

 95.8883, 0.3029,
0.3343

Harmonies

Analogous

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



21.2800, 0.3392, 0.1993



21.2800, 0.4741, 0.2598



21.2800, 0.5545, 0.3323

Triad

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



21.2800, 0.4741, 0.2598



21.2800, 0.3590, 0.5705



21.2800, 0.1178, 0.1784

Complementary

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



21.2800, 0.4741, 0.2598



61.9846, 0.2613, 0.4387

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.



21.2800, 0.1192, 0.2509



21.2800, 0.4741, 0.2598



21.2800, 0.2482, 0.5385

Square

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



21.2800, 0.4741, 0.2598



21.2800, 0.4653, 0.5016



21.2800, 0.1606, 0.3893



21.2800, 0.1499, 0.1540

Rectangle

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



21.2800, 0.4741, 0.2598



21.2800, 0.5559, 0.3846



21.2800, 0.1606, 0.3893



21.2800, 0.1145, 0.1961

Sweetspot

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



21.2812, 0.4741, 0.2598



64.8726, 0.3426, 0.3033



15.4282, 0.2404, 0.1238



12.9880, 0.3484, 0.2993



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.



21.2812, 0.4741, 0.2598



22.8311, 0.5209, 0.2675



21.5446, 0.5760, 0.3408



15.1572, 0.3228, 0.3193



10.3344, 0.5322, 0.2705



0.8302, 0.4962, 0.2507

Inverse Universe

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



21.2812, 0.4741, 0.2598



22.8311, 0.5209, 0.2675



57.1016, 0.2236, 0.3084



15.1572, 0.3228, 0.3193



10.3344, 0.5322, 0.2705



0.8302, 0.4962, 0.2507

Previews

White Background



This preview shows how the Yxy color 21.2800, 0.4741, 0.2598 looks on a white background.

Color Contrast Check

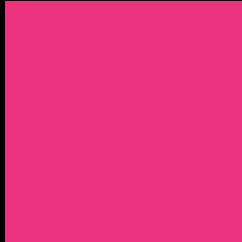
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2800, 0.4741, 0.2598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

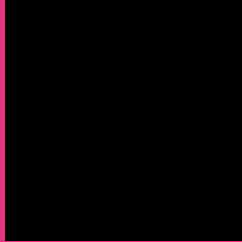
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.2800, 0.4741, 0.2598

Background



This preview shows how black text looks on a background with the Yxy color 21.2800, 0.4741, 0.2598.



This preview shows how white text looks on a background with the Yxy color 21.2800, 0.4741, 0.2598.

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

21.2800, 0.4741, 0.2598

Protanopia

21.4688, 0.2585, 0.2547

Deuteranopia

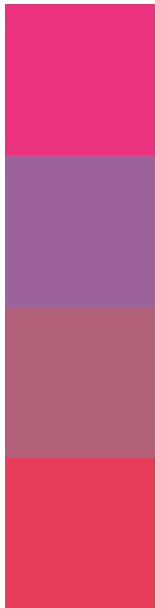
21.3796, 0.3461, 0.3395



Tritanopia

21.3150, 0.5523, 0.3272

Trichromacy



Original Color

21.2800, 0.4741, 0.2598

Protanomaly

18.3376, 0.3220, 0.2430

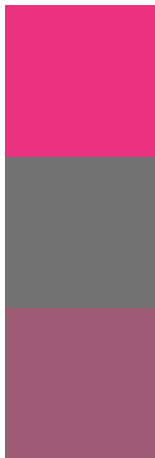
Deuteranomaly

19.0689, 0.3963, 0.2940

Tritanomaly

21.1257, 0.5273, 0.3032

Monochromacy



Original Color

21.2800, 0.4741, 0.2598

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.0593, 0.3750, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2800, 0.4741, 0.2598 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, 50, 126)` looks like.

```
.text, #text, p{  
    color:rgb(234, 50, 126)  
}
```

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, 50, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 50, 126) }
```

Border

The CSS property to change the border of an element to Yxy 21.2800, 0.4741, 0.2598 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, 50, 126) }
```

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

```
.border{ border-color:rgb(234, 50, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 50, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 50, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 50, 126);  
box-shadow:4px 4px 4px 4px rgb(234, 50,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2800, 0.4741, 0.2598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 50, 126) }
```

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

```
.background{ background-color: rgb(234, 50,  
126) }
```

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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