

Converting Colors

$Yxy(24.9227, 0.4627, 0.2796)$

Have a look what the booklet for
Yxy(24.9227, 0.4627, 0.2796)
contains.

Yxy(24.9833, 0.4621, 0.2797)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.9833, 0.4621, 0.2797)

Conversions

Conversions Part 1

Format	Color
Hex	EC4F80
RGB	236, 79, 128
RGB Percent	93%, 31%, 50%
CMY	0.0746, 0.6900, 0.4981
CMYK	0.00, 0.66, 0.46, 0.07
HSL	341°, 80%, 62%
HSV	341°, 66%, 93%
XYZ	41.2756, 24.9833, 23.0629
YIQ	131.5290, 77.8430, 48.5230

Conversions

Conversions Part 2

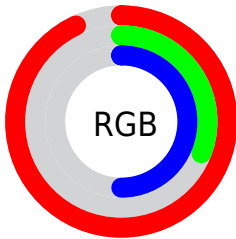
Format	Color
R _Y B	236, 79, 128
Decimal	15486848
CIE Lab	57.06, 63.73, 6.74
CIE LCh	57, 64.082, 6.041
Yxy	24.9833, 0.4621, 0.2797
Android (android.graphics.Color)	4293676928 (0xFFEC4F80)
YUV	131.5290, -1.7398, 91.6211
Hunter-Lab	49.9833, 59.9323, 7.6312

Details

The Yxy color **24.9833, 0.4621, 0.2797** 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 **65.2263, 0.2560, 0.3958**, and the grayscale version is **22.8879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4875, 0.3906, 0.2835**, and **9.6785, 0.5156, 0.2614** is the 20% darker color. If you saturate the color by 10%, you get **21.7672, 0.4981, 0.2789**, and if you desaturate by 10%, it is **29.4782, 0.4284, 0.2841**.

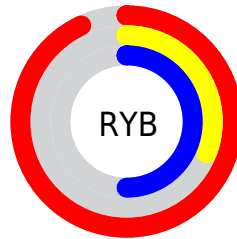
Distribution



Red (93%)

Green (31%)

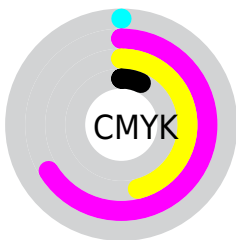
Blue (50%)



Red (93%)

Yellow (31%)

Blue (50%)

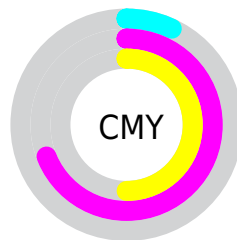


Cyan (0%)

Magenta (66%)

Yellow (46%)

Black (7%)



Cyan (7%)


Magenta (69%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.9833, 0.4621, 0.2797 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 24.9833, 0.4621, 0.2797 by changing the saturation by 10% instead.


 24.9833, 0.4621,
0.2797


 24.9833, 0.4621,
0.2797


277.7548, 0.3800,
0.3081


 16.0646, 0.4850,
0.2713


 51.6301, 0.4305,
0.2910


 9.5699, 0.5158,
0.2596


 70.1271, 0.4191,
0.2949

 5.1147, 0.5589,
0.2426

 92.5855, 0.4097,
0.2982

 2.3147, 0.6226,
0.2161

 119.3899, 0.4019,
0.3008

 0.7815, 0.7398,
0.1752

150.9247, 0.3952,
0.3031

 0.0000, 1.0000,
0.0000

187.5741, 0.3894,

 0.0000, 0.0000,

0.3050

0.0000

229.7227, 0.3844,
0.3067

■ 24.9833, 0.4621,
0.2797

■ 24.9833, 0.4621,
0.2797

■ 21.7672, 0.4981,
0.2789

■ 29.4782, 0.4284,
0.2841

■ 19.6882, 0.5338,
0.2826

■ 35.3657, 0.3986,
0.2909

■ 18.5751, 0.5657,
0.2912


■ 42.7516, 0.3732,
0.2990

■ 18.3162, 0.5759,
0.2946

■ 51.7300, 0.3521,
0.3075

■ 62.3876, 0.3347,
0.3159

 74.8045, 0.3205,
0.3240

 89.0559, 0.3089,
0.3316

 96.5674, 0.3011,
0.3290

Harmonies

Analogous

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



24.9833, 0.3525, 0.2223



24.9833, 0.4621, 0.2797



24.9833, 0.5220, 0.3477

Triad

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



24.9833, 0.4621, 0.2797



24.9833, 0.3466, 0.5346



24.9833, 0.1423, 0.1939

Complementary

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



24.9833, 0.4621, 0.2797



65.2263, 0.2560, 0.3958

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.



24.9833, 0.1406, 0.2536



24.9833, 0.4621, 0.2797



24.9833, 0.2493, 0.4863

Square

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



24.9833, 0.4621, 0.2797



24.9833, 0.4405, 0.4946



24.9833, 0.1750, 0.3629



24.9833, 0.1767, 0.1745

Rectangle

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



24.9833, 0.4621, 0.2797



24.9833, 0.5203, 0.3963



24.9833, 0.1750, 0.3629



24.9833, 0.1381, 0.2087

Sweetspot

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



24.9847, 0.4621, 0.2797



69.6079, 0.3405, 0.3129



22.1274, 0.2694, 0.1559



14.1313, 0.3454, 0.3105



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.



24.9847, 0.4621, 0.2797



24.8566, 0.5120, 0.2797



29.0795, 0.5087, 0.3579



15.1314, 0.3244, 0.3217



10.1198, 0.5717, 0.2923



0.8114, 0.5324, 0.2706

Inverse Universe

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



24.9847, 0.4621, 0.2797



24.8566, 0.5120, 0.2797



52.4412, 0.2257, 0.2906



15.1314, 0.3244, 0.3217



10.1198, 0.5717, 0.2923



0.8114, 0.5324, 0.2706

Previews

White Background



This preview shows how the Yxy color 24.9833, 0.4621, 0.2797 looks on a white background.

Color Contrast Check

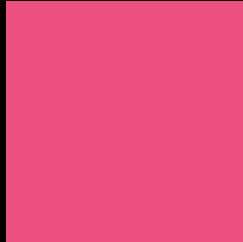
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.9833, 0.4621, 0.2797 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

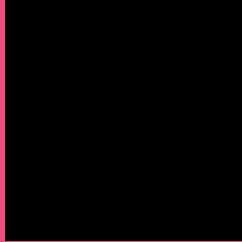
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.9833, 0.4621, 0.2797

Background



This preview shows how black text looks on a background with the Yxy color 24.9833, 0.4621, 0.2797.



This preview shows how white text looks on a background with the Yxy color 24.9833, 0.4621, 0.2797.

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

24.9833, 0.4621, 0.2797

Protanopia

25.1681, 0.2852, 0.2882

Deuteranopia

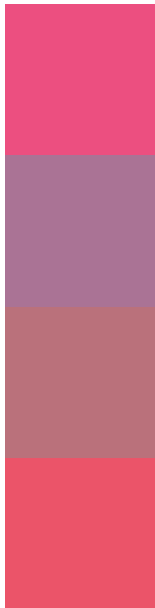
25.0267, 0.3557, 0.3484



Tritanopia

25.0815, 0.5084, 0.3247

Trichromacy



Original Color

24.9833, 0.4621, 0.2797

Protanomaly

22.9774, 0.3410, 0.2785

Deuteranomaly

23.6794, 0.3956, 0.3151

Tritanomaly

25.0227, 0.4930, 0.3086

Monochromacy



Original Color

24.9833, 0.4621, 0.2797

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

21.9950, 0.3646, 0.3017

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.9833, 0.4621, 0.2797 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(236, 79, 128)` looks like.

```
.text, #text, p{  
    color:rgb(236, 79, 128)  
}
```

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(236, 79, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 79, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.9833, 0.4621, 0.2797 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(236, 79, 128) }
```

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

```
.border{ border-color:rgb(236, 79, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 79, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 79, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 79, 128);  
box-shadow:4px 4px 4px 4px rgb(236, 79,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.9833, 0.4621, 0.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 79, 128) }
```

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

```
.background{ background-color: rgb(236, 79,  
128) }
```

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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