

Converting Colors

$Yxy(24.0729, 0.4948, 0.2603)$

Have a look what the booklet for
Yxy(24.0729, 0.4948, 0.2603)
contains.

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Color

Yxy(24.0803, 0.4948, 0.2603)

Conversions

Conversions Part 1

Format	Color
Hex	FF2480
RGB	255, 36, 128
RGB Percent	100%, 14%, 50%
CMY	0.0000, 0.8590, 0.4981
CMYK	0.00, 0.86, 0.50, 0.00
HSL	335°, 100%, 57%
HSV	335°, 86%, 100%
XYZ	45.7738, 24.0803, 22.6556
YIQ	111.9690, 100.9920, 75.0400

Conversions

Conversions Part 2

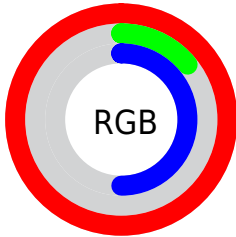
Format	Color
R_{YB}	255, 36, 128
Decimal	16721024
CIE _{Lab}	56.17, 80.85, 5.91
CIE _{LCh}	56, 81.066, 4.184
Yxy	24.0803, 0.4948, 0.2603
Android (android.graphics.Color)	4294911104 (0xFFFF2480)
YUV	111.9690, 7.9033, 125.4382
Hunter-Lab	49.0717, 80.6286, 6.9769

Details

The Yxy color **24.0803, 0.4948, 0.2603** 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 **74.5368, 0.2622, 0.4535**, and the grayscale version is **16.1377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.7071, 0.3991, 0.2589**, and **11.6409, 0.5328, 0.2709** is the 20% darker color. If you saturate the color by 10%, you get **22.6839, 0.5232, 0.2676**, and if you desaturate by 10%, it is **26.6220, 0.4647, 0.2584**.

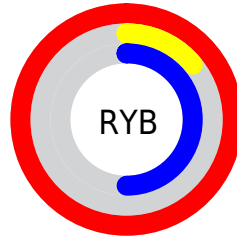
Distribution



Red (100%)

Green (14%)

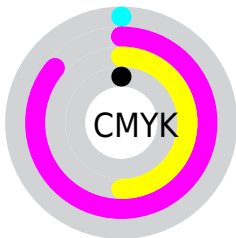
Blue (50%)



Red (100%)

Yellow (14%)

Blue (50%)

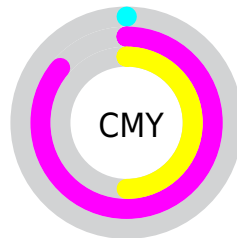


Cyan (0%)

Magenta (86%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (86%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0803, 0.4948, 0.2603 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 24.0803, 0.4948, 0.2603 by changing the saturation by 10% instead.


 24.0803, 0.4948,
0.2603


 24.0803, 0.4948,
0.2603


273.2262, 0.3950,
0.2993


 15.3932, 0.5222,
0.2491


 50.1612, 0.4566,
0.2756


 9.0958, 0.5585,
0.2338


 68.3238, 0.4428,
0.2810

 4.8037, 0.6085,
0.2123

 90.4137, 0.4314,
0.2854

 2.1326, 0.6798,
0.1803

 116.8152, 0.4218,
0.2891

 0.6828, 0.8047,
0.1317

 147.9129, 0.4136,
0.2923

 0.0000, 1.0000,
0.0000

184.0910, 0.4066,

 0.0000, 0.0000,

0.2950

0.0000

225.7340, 0.4004,
0.2973

■ 24.0803, 0.4948,
0.2603

■ 24.0803, 0.4948,
0.2603

■ 22.6839, 0.5232,
0.2676

■ 26.6220, 0.4647,
0.2584


■ 22.3248, 0.5343,
0.2717

■ 30.5215, 0.4352,
0.2616


■ 35.9393, 0.4079,
0.2687

■ 43.0155, 0.3836,
0.2783

■ 51.8740, 0.3628,
0.2892

 62.6269, 0.3453,
0.3007

 75.3771, 0.3307,
0.3120

 90.2199, 0.3187,
0.3229

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



24.0803, 0.3513, 0.1964



24.0803, 0.4948, 0.2603



24.0803, 0.5720, 0.3350

Triad

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



24.0803, 0.4948, 0.2603



24.0803, 0.3482, 0.5890



24.0803, 0.1102, 0.1664

Complementary

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



24.0803, 0.4948, 0.2603



74.5368, 0.2622, 0.4535

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.



24.0803, 0.1083, 0.2362



24.0803, 0.4948, 0.2603



24.0803, 0.2334, 0.5475

Square

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



24.0803, 0.4948, 0.2603



24.0803, 0.4616, 0.5144



24.0803, 0.1461, 0.3792



24.0803, 0.1459, 0.1450

Rectangle

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



24.0803, 0.4948, 0.2603



24.0803, 0.5663, 0.3892



24.0803, 0.1461, 0.3792



24.0803, 0.1059, 0.1830

Sweetspot

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



24.0770, 0.4948, 0.2603



62.5131, 0.3454, 0.3006



15.9601, 0.2288, 0.1100



12.5372, 0.3511, 0.2966



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.



24.0770, 0.4948, 0.2603



22.3248, 0.5343, 0.2717



23.7157, 0.6066, 0.3367



18.1137, 0.3228, 0.3191



11.6934, 0.5301, 0.2694



1.1598, 0.5007, 0.2532

Inverse Universe

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



24.0770, 0.4948, 0.2603



22.3248, 0.5343, 0.2717



70.1480, 0.2218, 0.3108



18.1137, 0.3228, 0.3191



11.6934, 0.5301, 0.2694



1.1598, 0.5007, 0.2532

Previews

White Background



This preview shows how the Yxy color 24.0803, 0.4948, 0.2603 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 24.0803, 0.4948, 0.2603 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 24.0803, 0.4948, 0.2603

Background



This preview shows how black text looks on a background with the Yxy color 24.0803, 0.4948, 0.2603.



This preview shows how white text looks on a background with the Yxy color 24.0803, 0.4948, 0.2603.

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

24.0803, 0.4948, 0.2603

Protanopia

24.2079, 0.2584, 0.2537

Deuteranopia

24.1433, 0.3551, 0.3488



Tritanopia

24.1603, 0.5786, 0.3285

Trichromacy



Original Color

24.0803, 0.4948, 0.2603



Protanomaly

19.8546, 0.3285, 0.2382



Deuteranomaly

20.8472, 0.4114, 0.2939



Tritanomaly

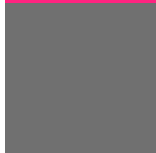
23.9062, 0.5544, 0.3059

Monochromacy



Original Color

24.0803, 0.4948, 0.2603



Achromatopsia

16.2029, 0.3127, 0.3290



Achromatomaly

15.5412, 0.3864, 0.2761

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0803, 0.4948, 0.2603 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(255, 36, 128)` looks like.

```
.text, #text, p{  
    color:rgb(255, 36, 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(255, 36, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 128) }
```

Border

The CSS property to change the border of an element to Yxy 24.0803, 0.4948, 0.2603 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(255, 36, 128) }
```

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

```
.border{ border-color:rgb(255, 36, 128) }
```

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

Here you see how a box with a 4 pixel rgb(255, 36, 128) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 128);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0803, 0.4948, 0.2603 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 36, 128) }
```

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

```
.background{ background-color: rgb(255, 36,  
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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