

Converting Colors

$Y_{xy}(24.3096, 0.4812, 0.2525)$

Have a look what the booklet for
Yxy(24.3096, 0.4812, 0.2525)
contains.

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Color

Yxy(24.2993, 0.4817, 0.2527)

Conversions

Conversions Part 1

Format	Color
Hex	FF2488
RGB	255, 36, 136
RGB Percent	100%, 14%, 53%
CMY	0.0000, 0.8590, 0.4667
CMYK	0.00, 0.86, 0.47, 0.00
HSL	333°, 100%, 57%
HSV	333°, 86%, 100%
XYZ	46.3196, 24.2993, 25.5397
YIQ	112.8810, 98.4240, 77.5280

Conversions

Conversions Part 2

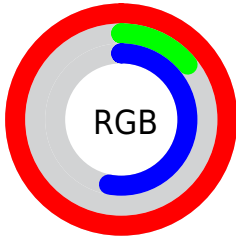
Format	Color
R_{YB}	255, 36, 136
Decimal	16721032
CIE _{Lab}	56.39, 81.46, 1.46
CIE _{LCh}	56, 81.474, 1.027
Yxy	24.2993, 0.4817, 0.2527
Android (android.graphics.Color)	4294911112 (0xFFFF2488)
YUV	112.8810, 11.3977, 124.6384
Hunter-Lab	49.2943, 81.4633, 3.7874

Details

The Yxy color **24.2993, 0.4817, 0.2527** 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 **74.2601, 0.2654, 0.4648**, and the grayscale version is **16.4136, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0860, 0.3882, 0.2502**, and **11.8946, 0.5164, 0.2618** is the 20% darker color. If you saturate the color by 10%, you get **22.8959, 0.5083, 0.2593**, and if you desaturate by 10%, it is **26.8448, 0.4539, 0.2516**.

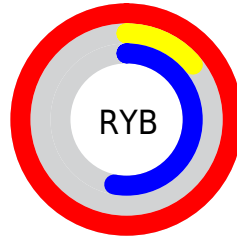
Distribution



Red (100%)

Green (14%)

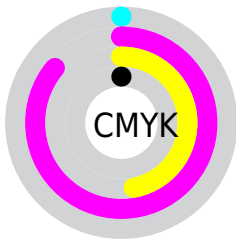
Blue (53%)



Red (100%)

Yellow (14%)

Blue (53%)

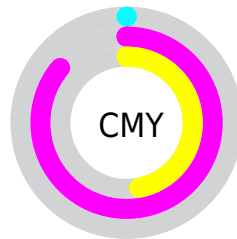


Cyan (0%)

Magenta (86%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2993, 0.4817, 0.2527 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 24.2993, 0.4817, 0.2527 by changing the saturation by 10% instead.


 24.2993, 0.4817,
0.2527

 24.2993, 0.4817,
0.2527

274.3302, 0.3896,
0.2946


 15.5558, 0.5069,
0.2411


 50.5182, 0.4465,
0.2688

 9.2104, 0.5404,
0.2256


 68.7623, 0.4338,
0.2746

 4.8787, 0.5866,
0.2042

 90.9422, 0.4233,
0.2794

 2.1762, 0.6530,
0.1730

 117.4420, 0.4144,
0.2834

 0.7070, 0.7571,
0.1249

 148.6464, 0.4068,
0.2868

 0.0000, 1.0000,
0.0000

184.9396, 0.4003,

 0.0000, 0.0000,

0.2898

0.0000

226.7061, 0.3946,
0.2924

■ 24.2993, 0.4817,
0.2527

■ 24.2993, 0.4817,
0.2527

■ 22.8959, 0.5083,
0.2593

■ 26.8448, 0.4539,
0.2516


■ 22.5315, 0.5188,
0.2632

■ 30.7408, 0.4267,
0.2556


■ 36.1484, 0.4015,
0.2635

■ 43.2074, 0.3790,
0.2740

■ 52.0414, 0.3597,
0.2859

 62.7621, 0.3433,
0.2983

 75.4719, 0.3297,
0.3106

 90.2660, 0.3184,
0.3224

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.



24.2993, 0.3360, 0.1907



24.2993, 0.4817, 0.2527



24.2993, 0.5693, 0.3268

Triad

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



24.2993, 0.4817, 0.2527



24.2993, 0.3604, 0.5851



24.2993, 0.1082, 0.1708

Complementary

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



24.2993, 0.4817, 0.2527



74.2601, 0.2654, 0.4648

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.



24.2993, 0.1099, 0.2473



24.2993, 0.4817, 0.2527



24.2993, 0.2446, 0.5603

Square

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



24.2993, 0.4817, 0.2527



24.2993, 0.4727, 0.5043



24.2993, 0.1527, 0.3983



24.2993, 0.1401, 0.1454

Rectangle

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



24.2993, 0.4817, 0.2527



24.2993, 0.5703, 0.3802



24.2993, 0.1527, 0.3983



24.2993, 0.1050, 0.1892

Sweetspot

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



24.2972, 0.4817, 0.2527



62.6396, 0.3435, 0.2982



15.2311, 0.2224, 0.1066



12.5670, 0.3488, 0.2939



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.



24.2972, 0.4817, 0.2527



22.5315, 0.5188, 0.2632



23.1345, 0.6109, 0.3331



18.1251, 0.3222, 0.3182



11.8025, 0.5148, 0.2610



1.1709, 0.4871, 0.2457

Inverse Universe

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



24.2972, 0.4817, 0.2527



22.5315, 0.5188, 0.2632



74.5443, 0.2242, 0.3199



18.1251, 0.3222, 0.3182



11.8025, 0.5148, 0.2610



1.1709, 0.4871, 0.2457

Previews

White Background



This preview shows how the Yxy color 24.2993, 0.4817, 0.2527 looks on a white background.

Color Contrast Check

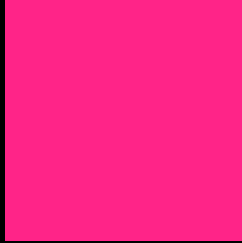
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2993, 0.4817, 0.2527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

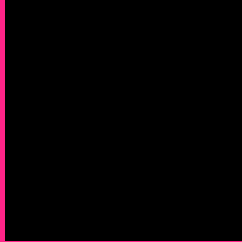
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.2993, 0.4817, 0.2527

Background



This preview shows how black text looks on a background with the Yxy color 24.2993, 0.4817, 0.2527.



This preview shows how white text looks on a background with the Yxy color 24.2993, 0.4817, 0.2527.

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

24.2993, 0.4817, 0.2527

Protanopia

24.6633, 0.2471, 0.2400

Deuteranopia

24.4144, 0.3430, 0.3373



Tritanopia

24.3246, 0.5729, 0.3284

Trichromacy



Original Color

24.2993, 0.4817, 0.2527



Protanomaly

20.0005, 0.3139, 0.2253



Deuteranomaly

20.7963, 0.3968, 0.2826



Tritanomaly

23.9798, 0.5458, 0.3025

Monochromacy



Original Color

24.2993, 0.4817, 0.2527



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

15.8768, 0.3825, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2993, 0.4817, 0.2527 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, 136)` looks like.

```
.text, #text, p{  
  color:rgb(255, 36, 136)  
}
```

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, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 36, 136) }
```

Border

The CSS property to change the border of an element to Yxy 24.2993, 0.4817, 0.2527 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, 136) }
```

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

```
.border{ border-color:rgb(255, 36, 136) }
```

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, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 36, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 36, 136);  
box-shadow:4px 4px 4px 4px rgb(255, 36,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 24.2993, 0.4817, 0.2527 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, 136) }
```

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

```
.background{ background-color: rgb(255, 36,  
136) }
```

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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