

Converting Colors

$Y_{xy}(45.1303, 0.4885, 0.2735)$

Have a look what the booklet for
Yxy(45.1303, 0.4885, 0.2735)
contains.

Yxy(29.7892, 0.4293, 0.2518)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7892, 0.4293, 0.2518)

Conversions

Conversions Part 1

Format	Color
Hex	FF51A3
RGB	255, 81, 163
RGB Percent	100%, 32%, 64%
CMY	0.0001, 0.6822, 0.3607
CMYK	0.00, 0.68, 0.36, 0.00
HSL	332°, 100%, 66%
HSV	332°, 68%, 100%
XYZ	50.7883, 29.7892, 37.7275
YIQ	142.3740, 77.3820, 62.3900

Conversions

Conversions Part 2

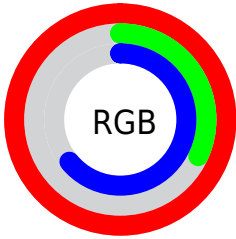
Format	Color
R _Y B	255, 81, 163
Decimal	16732579
CIE Lab	61.47, 71.81, -6.90
CIE LCh	61, 72.138, 354.510
Yxy	29.7892, 0.4293, 0.2518
Android (android.graphics.Color)	4294922659 (0xFFFF51A3)
YUV	142.3740, 10.1686, 98.7730
Hunter-Lab	54.5795, 70.5871, -2.7779

Details

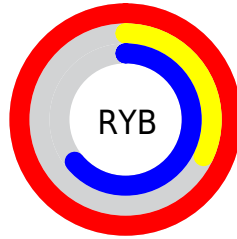
The Yxy color **29.7892, 0.4293, 0.2518** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.2752, 0.2672, 0.4364**, and the grayscale version is **27.1478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3717, 0.3513, 0.2513**, and **12.4852, 0.4648, 0.2334** is the 20% darker color. If you saturate the color by 10%, you get **26.2266, 0.4558, 0.2486**, and if you desaturate by 10%, it is **34.8284, 0.4044, 0.2592**.

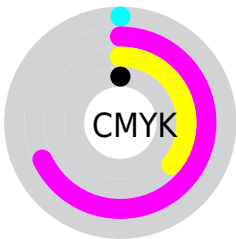
Distribution



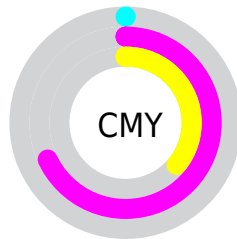
- Red (100%)
- Green (32%)
- Blue (64%)



- Red (100%)
- Yellow (32%)
- Blue (64%)



- Cyan (0%)
- Magenta (68%)
- Yellow (36%)
- Black (0%)





- Cyan (0%)
- Magenta (68%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7892, 0.4293, 0.2518 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 29.7892, 0.4293, 0.2518 by changing the saturation by 10% instead.


 29.7892, 0.4293,
0.2518


 29.7892, 0.4293,
0.2518


300.9206, 0.3681,
0.2914

 19.6786, 0.4454,
0.2417


 59.3287, 0.4064,
0.2664

 12.1617, 0.4665,
0.2287


 79.5263, 0.3980,
0.2718

 6.8539, 0.4953,
0.2114


 103.8552, 0.3910,
0.2763

 3.3709, 0.5364,
0.1872

 132.6996, 0.3850,
0.2802

 1.3283, 0.5990,
0.1520

166.4439, 0.3799,
0.2836

 0.1629, 0.7463,
0.0502

205.4726, 0.3754,

 0.0000, 1.0000,

0.2865


0.0000


250.1701, 0.3715,
0.2891


 0.0000, 0.0000,
0.0000


 29.7892, 0.4293,
0.2518

 29.7892, 0.4293,
0.2518

 26.2266, 0.4558,
0.2486


 34.8284, 0.4044,
0.2592

 23.9655, 0.4826,
0.2506

 41.4834, 0.3820,
0.2696

 22.7739, 0.5081,
0.2581

 49.8828, 0.3625,
0.2816

 22.6162, 0.5125,
0.2597

 60.1404, 0.3460,
0.2944

 72.3606, 0.3321,
0.3071

 86.6400, 0.3206,
0.3194

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



29.7892, 0.3083, 0.1995



29.7892, 0.4293, 0.2518



29.7892, 0.5191, 0.3188

Triad

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



29.7892, 0.4293, 0.2518



29.7892, 0.3855, 0.5375



29.7892, 0.1302, 0.2047

Complementary

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



29.7892, 0.4293, 0.2518



76.2752, 0.2672, 0.4364

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.



29.7892, 0.1413, 0.2865



29.7892, 0.4293, 0.2518



29.7892, 0.2823, 0.5307

Square

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



29.7892, 0.4293, 0.2518



29.7892, 0.4771, 0.4721



29.7892, 0.1925, 0.4187



29.7892, 0.1526, 0.1709

Rectangle

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



29.7892, 0.4293, 0.2518



29.7892, 0.5367, 0.3674



29.7892, 0.1925, 0.4187



29.7892, 0.1299, 0.2258

Sweetspot

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



29.7908, 0.4293, 0.2518



70.0491, 0.3344, 0.3048



21.7561, 0.2416, 0.1392



14.2362, 0.3382, 0.3013



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.



29.7908, 0.4293, 0.2518



25.2333, 0.4660, 0.2487



28.1811, 0.5406, 0.3320



18.1296, 0.3220, 0.3178



11.8492, 0.5086, 0.2576



1.1756, 0.4817, 0.2427

Inverse Universe

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



29.7908, 0.4293, 0.2518



25.2333, 0.4660, 0.2487



78.6409, 0.2328, 0.3253



18.1296, 0.3220, 0.3178



11.8492, 0.5086, 0.2576



1.1756, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 29.7892, 0.4293, 0.2518 looks on a white background.

Color Contrast Check

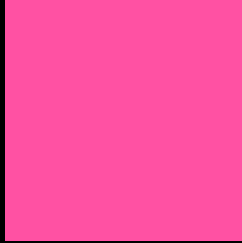
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7892, 0.4293, 0.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

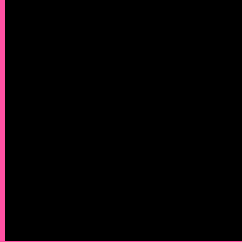
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7892, 0.4293, 0.2518

Background



This preview shows how black text looks on a background with the Yxy color 29.7892, 0.4293, 0.2518.



This preview shows how white text looks on a background with the Yxy color 29.7892, 0.4293, 0.2518.

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

29.7892, 0.4293, 0.2518

Protanopia

30.1490, 0.2501, 0.2438

Deuteranopia

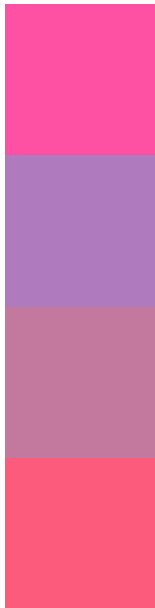
29.8567, 0.3208, 0.3140



Tritanopia

29.8343, 0.5035, 0.3240

Trichromacy



Original Color

29.7892, 0.4293, 0.2518

Protanomaly

27.1137, 0.3019, 0.2388

Deuteranomaly

27.7112, 0.3596, 0.2813

Tritanomaly

29.6329, 0.4779, 0.2980

Monochromacy



Original Color

29.7892, 0.4293, 0.2518

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

25.7022, 0.3544, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7892, 0.4293, 0.2518 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, 81, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 81, 163)  
}
```

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, 81, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 81, 163) }
```

Border

The CSS property to change the border of an element to Yxy 29.7892, 0.4293, 0.2518 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, 81, 163) }
```

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

```
.border{ border-color:rgb(255, 81, 163) }
```

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

Here you see how a box with a 4 pixel rgb(255, 81, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 81, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 81, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 81,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7892, 0.4293, 0.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 81, 163) }
```

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

```
.background{ background-color: rgb(255, 81,  
163) }
```

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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