

Converting Colors

$Y_{xy}(45.6299, 0.4926, 0.2770)$

Have a look what the booklet for
Yxy(45.6299, 0.4926, 0.2770)
contains.

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Color

Yxy(29.9846, 0.4330, 0.2562)

Conversions

Conversions Part 1

Format	Color
Hex	FF53A0
RGB	255, 83, 160
RGB Percent	100%, 33%, 63%
CMY	0.0000, 0.6744, 0.3725
CMYK	0.00, 0.67, 0.37, 0.00
HSL	333°, 100%, 66%
HSV	333°, 67%, 100%
XYZ	50.6765, 29.9846, 36.3748
YIQ	143.2060, 77.7950, 60.4110

Conversions

Conversions Part 2

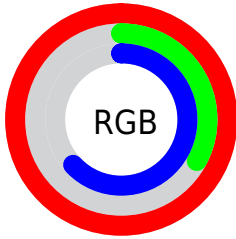
Format	Color
R _Y B	255, 83, 160
Decimal	16733088
CIE Lab	61.64, 70.78, -4.91
CIE LCh	62, 70.951, 356.031
Yxy	29.9846, 0.4330, 0.2562
Android (android.graphics.Color)	4294923168 (0xFFFF53A0)
YUV	143.2060, 8.2794, 98.0433
Hunter-Lab	54.7582, 69.3679, -1.0544

Details

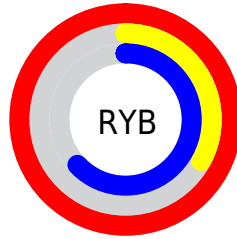
The Yxy color **29.9846, 0.4330, 0.2562** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.5701, 0.2656, 0.4293**, and the grayscale version is **27.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5123, 0.3541, 0.2551**, and **12.4416, 0.4692, 0.2358** is the 20% darker color. If you saturate the color by 10%, you get **26.3093, 0.4610, 0.2531**, and if you desaturate by 10%, it is **35.1528, 0.4069, 0.2634**.

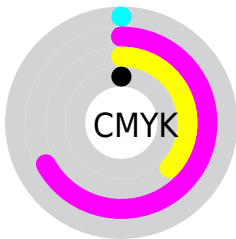
Distribution



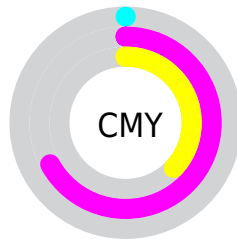
- Red (100%)
- Green (33%)
- Blue (63%)



- Red (100%)
- Yellow (33%)
- Blue (63%)



- Cyan (0%)
- Magenta (67%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9846, 0.4330, 0.2562 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 29.9846, 0.4330, 0.2562 by changing the saturation by 10% instead.


 29.9846, 0.4330,
0.2562


 29.9846, 0.4330,
0.2562


301.8327, 0.3696,
0.2938


 19.8269, 0.4497,
0.2465


 59.6378, 0.4093,
0.2701

 12.2693, 0.4717,
0.2339


 79.9021, 0.4006,
0.2753

 6.9273, 0.5016,
0.2171


 104.3041, 0.3933,
0.2796

 3.4167, 0.5446,
0.1934

 133.2281, 0.3871,
0.2833

 1.3530, 0.6100,
0.1584

167.0586, 0.3818,
0.2865

 0.1817, 0.7690,
0.0581

206.1799, 0.3772,

 0.0000, 1.0000,

0.2892

0.0000

250.9765, 0.3732,
0.2917

0.0000, 0.0000,
0.0000

29.9846, 0.4330,
0.2562

29.9846, 0.4330,
0.2562

26.3093, 0.4610,
0.2531

35.1528, 0.4069,
0.2634

23.9541, 0.4892,
0.2553

41.9520, 0.3835,
0.2733


22.7022, 0.5160,
0.2629

50.5095, 0.3633,
0.2849

22.4769, 0.5227,
0.2653

60.9389, 0.3462,
0.2970

73.3440, 0.3319,
0.3091

 87.8208, 0.3201,
0.3208

99.9986, 0.3127,
0.3290

Harmonies

Analogous

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



29.9846, 0.3143, 0.2034



29.9846, 0.4330, 0.2562



29.9846, 0.5180, 0.3230

Triad

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



29.9846, 0.4330, 0.2562



29.9846, 0.3801, 0.5360



29.9846, 0.1329, 0.2041

Complementary

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



29.9846, 0.4330, 0.2562



76.5701, 0.2656, 0.4293

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.



29.9846, 0.1423, 0.2822



29.9846, 0.4330, 0.2562



29.9846, 0.2783, 0.5231

Square

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



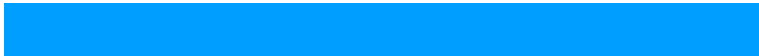
29.9846, 0.4330, 0.2562



29.9846, 0.4713, 0.4746



29.9846, 0.1910, 0.4100



29.9846, 0.1568, 0.1724

Rectangle

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



29.9846, 0.4330, 0.2562



29.9846, 0.5329, 0.3714



29.9846, 0.1910, 0.4100



29.9846, 0.1322, 0.2242

Sweetspot

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



29.9862, 0.4330, 0.2562



69.9824, 0.3353, 0.3060



22.8273, 0.2476, 0.1434



14.2203, 0.3392, 0.3026



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.



29.9862, 0.4330, 0.2562



25.3313, 0.4711, 0.2533



29.4717, 0.5326, 0.3369



18.1222, 0.3224, 0.3184



11.7744, 0.5186, 0.2631



1.1681, 0.4905, 0.2476

Inverse Universe

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



29.9862, 0.4330, 0.2562



25.3313, 0.4711, 0.2533



75.2110, 0.2316, 0.3185



18.1222, 0.3224, 0.3184



11.7744, 0.5186, 0.2631



1.1681, 0.4905, 0.2476

Previews

White Background



This preview shows how the Yxy color 29.9846, 0.4330, 0.2562 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 29.9846, 0.4330, 0.2562 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 ✓ Pass

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

Yxy 29.9846, 0.4330, 0.2562

Background



This preview shows how black text looks on a background with the Yxy color 29.9846, 0.4330, 0.2562.

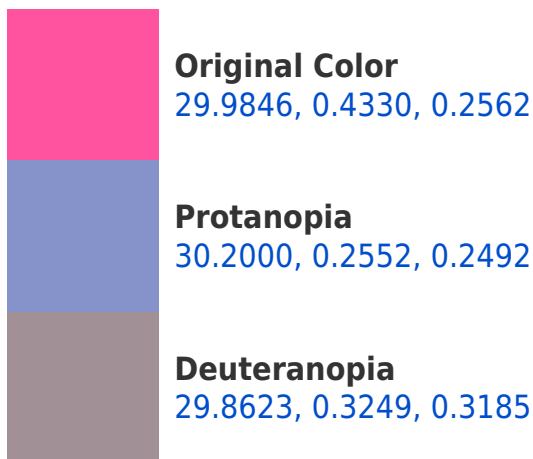


This preview shows how white text looks on a background with the Yxy color 29.9846, 0.4330, 0.2562.

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





Tritanopia

30.0379, 0.5016, 0.3240

Trichromacy



Original Color

29.9846, 0.4330, 0.2562



Protanomaly

27.4681, 0.3070, 0.2442



Deuteranomaly

27.9879, 0.3641, 0.2866



Tritanomaly

29.8050, 0.4774, 0.2989

Monochromacy



Original Color

29.9846, 0.4330, 0.2562



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

26.0350, 0.3565, 0.2898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9846, 0.4330, 0.2562 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, 83, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 160)  
}
```

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, 83, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 160) }
```

Border

The CSS property to change the border of an element to Yxy 29.9846, 0.4330, 0.2562 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, 83, 160) }
```

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

```
.border{ border-color:rgb(255, 83, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 83, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 83, 160); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 83, 160); box-shadow:4px 4px 4px 4px rgb(255, 83, 160) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9846, 0.4330, 0.2562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 160) }
```

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

```
.background{ background-color: rgb(255, 83,  
160) }
```

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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