

Converting Colors

$Y_{xy}(29.7249, 0.4538, 0.2797)$

Have a look what the booklet for
Yxy(29.7249, 0.4538, 0.2797)
contains.

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Color

Yxy(29.7446, 0.4535, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	FB5A8D
RGB	251, 90, 141
RGB Percent	98%, 35%, 55%
CMY	0.0157, 0.6470, 0.4471
CMYK	0.00, 0.64, 0.44, 0.02
HSL	341°, 95%, 67%
HSV	341°, 64%, 98%
XYZ	48.2445, 29.7446, 28.3935
YIQ	143.9530, 79.5850, 49.9930

Conversions

Conversions Part 2

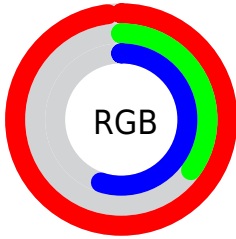
Format	Color
R _Y B	251, 90, 141
Decimal	16472717
CIE Lab	61.43, 65.08, 5.73
CIE LCh	61, 65.335, 5.031
Yxy	29.7446, 0.4535, 0.2796
Android (android.graphics.Color)	4294662797 (0xFFFB5A8D)
YUV	143.9530, -1.4558, 93.8802
Hunter-Lab	54.5386, 62.4575, 7.3098

Details

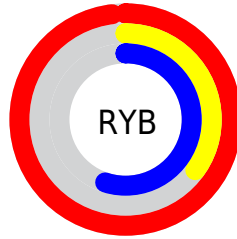
The Yxy color **29.7446, 0.4535, 0.2796** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **75.3347, 0.2572, 0.3942**, and the grayscale version is **27.8549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3349, 0.3740, 0.2814**, and **12.0745, 0.5004, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **25.7303, 0.4890, 0.2778**, and if you desaturate by 10%, it is **35.2699, 0.4207, 0.2848**.

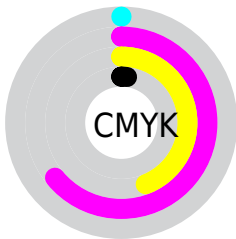
Distribution



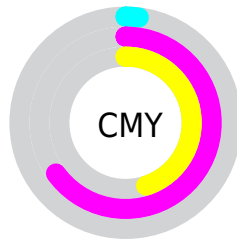
- Red (98%)
- Green (35%)
- Blue (55%)



- Red (98%)
- Yellow (35%)
- Blue (55%)



- Cyan (0%)
- Magenta (64%)
- Yellow (44%)
- Black (2%)



- Cyan (2%)
- Magenta (65%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7446, 0.4535, 0.2796 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 29.7446, 0.4535, 0.2796 by changing the saturation by 10% instead.


 29.7446, 0.4535,
0.2796

 29.7446, 0.4535,
0.2796


300.7122, 0.3781,
0.3071

 19.6448, 0.4738,
0.2719


 59.2580, 0.4250,
0.2902


 12.1371, 0.5005,
0.2614


 79.4405, 0.4146,
0.2940

 6.8371, 0.5373,
0.2467


 103.7526, 0.4060,
0.2972

 3.3605, 0.5902,
0.2247

 132.5788, 0.3987,
0.2998

 1.3227, 0.6707,
0.1893

166.3035, 0.3924,
0.3020

 0.1587, 0.9296,
0.0704

205.3110, 0.3870,

 0.0000, 1.0000,


0.3039

0.0000


249.9857, 0.3823,
0.3056


 0.0000, 0.0000,
0.0000

 29.7446, 0.4535,
0.2796


 29.7446, 0.4535,
0.2796


 25.7303, 0.4890,
0.2778


 35.2699, 0.4207,
0.2848


 23.0682, 0.5249,
0.2805


 42.4345, 0.3920,
0.2921


 21.5717, 0.5579,
0.2881

 51.3583, 0.3677,
0.3004

 21.0790, 0.5750,
0.2941

 62.1486, 0.3475,
0.3091

 74.9041, 0.3310,
0.3177

 89.7165, 0.3175,
0.3258

 99.2476, 0.3102,
0.3290

Harmonies

Analogous

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



29.7446, 0.3476, 0.2240



29.7446, 0.4535, 0.2796



29.7446, 0.5138, 0.3461

Triad

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



29.7446, 0.4535, 0.2796



29.7446, 0.3500, 0.5266



29.7446, 0.1465, 0.1996

Complementary

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



29.7446, 0.4535, 0.2796



75.3347, 0.2572, 0.3942

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.



29.7446, 0.1461, 0.2597



29.7446, 0.4535, 0.2796



29.7446, 0.2552, 0.4824

Square

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



29.7446, 0.4535, 0.2796



29.7446, 0.4404, 0.4881



29.7446, 0.1816, 0.3662



29.7446, 0.1791, 0.1791

Rectangle

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



29.7446, 0.4535, 0.2796



29.7446, 0.5145, 0.3935



29.7446, 0.1816, 0.3662



29.7446, 0.1427, 0.2146

Sweetspot

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



29.7462, 0.4535, 0.2796



70.9360, 0.3386, 0.3136



26.5621, 0.2713, 0.1605



14.3899, 0.3435, 0.3111



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.



29.7462, 0.4535, 0.2796



25.7282, 0.4997, 0.2781



34.5668, 0.4996, 0.3576



17.3158, 0.3244, 0.3215



11.1041, 0.5706, 0.2917



1.0468, 0.5371, 0.2732

Inverse Universe

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



29.7462, 0.4535, 0.2796



25.7282, 0.4997, 0.2781



61.1059, 0.2275, 0.2920



17.3158, 0.3244, 0.3215



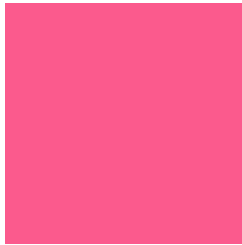
11.1041, 0.5706, 0.2917



1.0468, 0.5371, 0.2732

Previews

White Background



This preview shows how the Yxy color 29.7446, 0.4535, 0.2796 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 29.7446, 0.4535, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

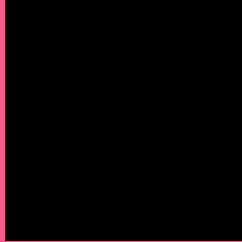
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7446, 0.4535, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 29.7446, 0.4535, 0.2796.



This preview shows how white text looks on a background with the Yxy color 29.7446, 0.4535, 0.2796.

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

29.7446, 0.4535, 0.2796

Protanopia

29.8527, 0.2853, 0.2879

Deuteranopia

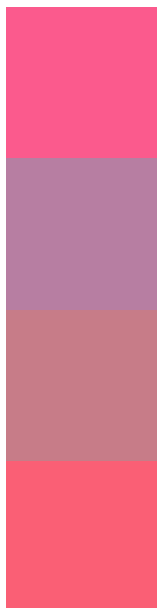
29.7734, 0.3516, 0.3441



Tritanopia

29.8746, 0.4979, 0.3238

Trichromacy



Original Color

29.7446, 0.4535, 0.2796

Protanomaly

27.5976, 0.3390, 0.2792

Deuteranomaly

28.3350, 0.3892, 0.3133

Tritanomaly

29.7928, 0.4835, 0.3083

Monochromacy



Original Color

29.7446, 0.4535, 0.2796

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.4658, 0.3619, 0.3022

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7446, 0.4535, 0.2796 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(251, 90, 141)` looks like.

```
.text, #text, p{  
    color:rgb(251, 90, 141)  
}
```

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(251, 90, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 90, 141) }
```

Border

The CSS property to change the border of an element to Yxy 29.7446, 0.4535, 0.2796 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(251, 90, 141) }
```

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

```
.border{ border-color:rgb(251, 90, 141) }
```

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

Here you see how a box with a 4 pixel rgb(251, 90, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 90, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 90, 141);  
box-shadow:4px 4px 4px 4px rgb(251, 90,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7446, 0.4535, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 90, 141) }
```

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

```
.background{ background-color: rgb(251, 90,  
141) }
```

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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