

Converting Colors

$Y_{xy}(29.8421, 0.4462, 0.2665)$

Have a look what the booklet for
Yxy(29.8421, 0.4462, 0.2665)
contains.

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Color

Yxy(29.8027, 0.4469, 0.2668)

Conversions

Conversions Part 1

Format	Color
Hex	FF5496
RGB	255, 84, 150
RGB Percent	100%, 33%, 59%
CMY	0.0000, 0.6706, 0.4117
CMYK	0.00, 0.67, 0.41, 0.00
HSL	337°, 100%, 66%
HSV	337°, 67%, 100%
XYZ	49.9206, 29.8027, 31.9809
YIQ	142.6530, 80.7300, 56.7780

Conversions

Conversions Part 2

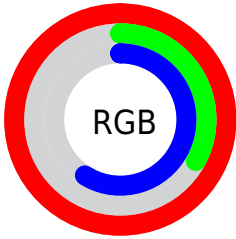
Format	Color
R _Y B	255, 84, 150
Decimal	16733334
CIE Lab	61.48, 69.43, 0.65
CIE LCh	61, 69.436, 0.534
Yxy	29.8027, 0.4469, 0.2668
Android (android.graphics.Color)	4294923414 (0xFFFF5496)
YUV	142.6530, 3.6221, 98.5283
Hunter-Lab	54.5918, 67.6907, 3.4811

Details

The Yxy color **29.8027, 0.4469, 0.2668** 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 **77.0773, 0.2611, 0.4141**, and the grayscale version is **27.2811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.2646, 0.3649, 0.2665**, and **12.2383, 0.4911, 0.2479** is the 20% darker color. If you saturate the color by 10%, you get **26.0668, 0.4787, 0.2649**, and if you desaturate by 10%, it is **35.0428, 0.4172, 0.2727**.

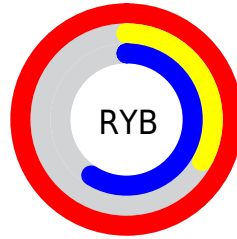
Distribution



Red (100%)

Green (33%)

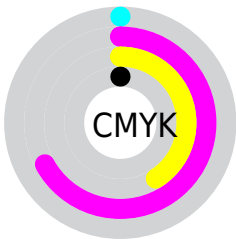
Blue (59%)



Red (100%)

Yellow (33%)

Blue (59%)

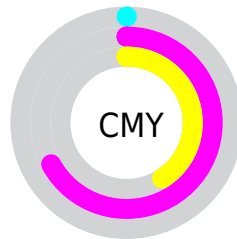


Cyan (0%)

Magenta (67%)

Yellow (41%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8027, 0.4469, 0.2668 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 29.8027, 0.4469, 0.2668 by changing the saturation by 10% instead.


 29.8027, 0.4469,
0.2668


 29.8027, 0.4469,
0.2668


300.9837, 0.3756,
0.3000


 19.6889, 0.4659,
0.2579


 59.3500, 0.4200,
0.2793


 12.1691, 0.4910,
0.2462


 79.5523, 0.4102,
0.2839

 6.8589, 0.5253,
0.2301


 103.8862, 0.4020,
0.2877

 3.3740, 0.5746,
0.2069

 132.7361, 0.3951,
0.2909

 1.3300, 0.6497,
0.1713

166.4864, 0.3892,
0.2937

 0.1642, 0.8857,
0.0630

205.5215, 0.3840,

 0.0000, 1.0000,

0.2961


0.0000


250.2258, 0.3795,
0.2981


 0.0000, 0.0000,
0.0000


 29.8027, 0.4469,
0.2668


 29.8027, 0.4469,
0.2668

 26.0668, 0.4787,
0.2649

 35.0428, 0.4172,
0.2727


 23.6719, 0.5106,
0.2680


 41.9341, 0.3908,
0.2812

 22.4028, 0.5401,
0.2765

 50.6014, 0.3681,
0.2912

 22.1504, 0.5483,
0.2794

 61.1583, 0.3491,
0.3017

 73.7089, 0.3333,
0.3122

 88.3497, 0.3204,
0.3223

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.



29.8027, 0.3316, 0.2118



29.8027, 0.4469, 0.2668



29.8027, 0.5207, 0.3342

Triad

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



29.8027, 0.4469, 0.2668



29.8027, 0.3649, 0.5366



29.8027, 0.1369, 0.1990

Complementary

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



29.8027, 0.4469, 0.2668



77.0773, 0.2611, 0.4141

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.



29.8027, 0.1412, 0.2685



29.8027, 0.4469, 0.2668



29.8027, 0.2649, 0.5073

Square

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



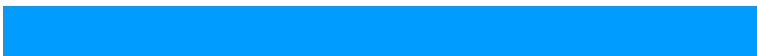
29.8027, 0.4469, 0.2668



29.8027, 0.4575, 0.4841



29.8027, 0.1833, 0.3880



29.8027, 0.1655, 0.1731

Rectangle

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



29.8027, 0.4469, 0.2668



29.8027, 0.5279, 0.3827



29.8027, 0.1833, 0.3880



29.8027, 0.1346, 0.2166

Sweetspot

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



29.8013, 0.4469, 0.2668



69.8108, 0.3376, 0.3092



24.0726, 0.2557, 0.1479



14.1794, 0.3420, 0.3062



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.



29.8013, 0.4469, 0.2668



25.2330, 0.4882, 0.2653



31.2246, 0.5241, 0.3445



18.1032, 0.3233, 0.3199



11.6010, 0.5441, 0.2771



1.1502, 0.5135, 0.2602

Inverse Universe

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



29.8013, 0.4469, 0.2668



25.2330, 0.4882, 0.2653



70.1944, 0.2293, 0.3081



18.1032, 0.3233, 0.3199



11.6010, 0.5441, 0.2771



1.1502, 0.5135, 0.2602

Previews

White Background



This preview shows how the Yxy color 29.8027, 0.4469, 0.2668 looks on a white background.

Color Contrast Check

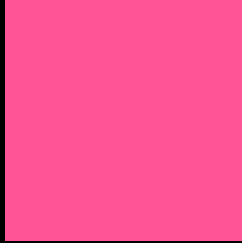
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8027, 0.4469, 0.2668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

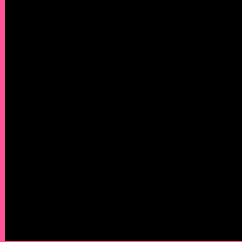
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8027, 0.4469, 0.2668

Background



This preview shows how black text looks on a background with the Yxy color 29.8027, 0.4469, 0.2668.



This preview shows how white text looks on a background with the Yxy color 29.8027, 0.4469, 0.2668.

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

29.8027, 0.4469, 0.2668

Protanopia

29.9448, 0.2678, 0.2665

Deuteranopia

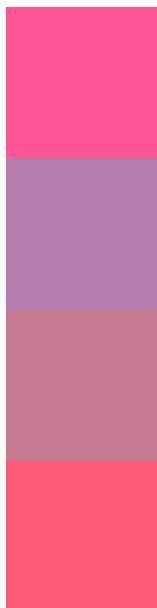
30.0065, 0.3384, 0.3321



Tritanopia

29.8195, 0.5063, 0.3241

Trichromacy



Original Color

29.8027, 0.4469, 0.2668

Protanomaly

27.3342, 0.3227, 0.2594

Deuteranomaly

27.9692, 0.3776, 0.2987

Tritanomaly

29.6967, 0.4857, 0.3032

Monochromacy



Original Color

29.8027, 0.4469, 0.2668

Achromatopsia

27.4677, 0.3127, 0.3290

Achromatomaly

26.1847, 0.3599, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8027, 0.4469, 0.2668 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, 84, 150)` looks like.

```
.text, #text, p{  
  color:rgb(255, 84, 150)  
}
```

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, 84, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 150) }
```

Border

The CSS property to change the border of an element to Yxy 29.8027, 0.4469, 0.2668 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, 84, 150) }
```

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

```
.border{ border-color:rgb(255, 84, 150) }
```

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

Here you see how a box with a 4 pixel rgb(255, 84, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 150);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
150) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8027, 0.4469, 0.2668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 150) }
```

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

```
.background{ background-color: rgb(255, 84,  
150) }
```

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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