

Converting Colors

$Y_{xy}(29.8742, 0.3731, 0.2130)$

Have a look what the booklet for
Yxy(29.8742, 0.3731, 0.2130)
contains.

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Color

Yxy(29.9487, 0.3726, 0.2130)

Conversions

Conversions Part 1

Format	Color
Hex	F94FC9
RGB	249, 79, 201
RGB Percent	98%, 31%, 79%
CMY	0.0237, 0.6899, 0.2118
CMYK	0.00, 0.68, 0.19, 0.02
HSL	317°, 93%, 64%
HSV	317°, 68%, 98%
XYZ	52.3891, 29.9487, 58.2664
YIQ	143.7380, 62.1580, 73.9820

Conversions

Conversions Part 2

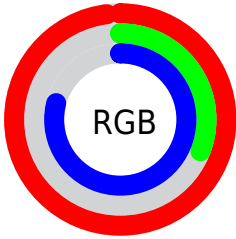
Format	Color
R _{YB}	249, 79, 201
Decimal	16338889
CIE _{Lab}	61.61, 75.43, -28.56
CIE _{LCh}	62, 80.658, 339.260
Yxy	29.9487, 0.3726, 0.2130
Android (android.graphics.Color)	4294528969 (0xFFFF94FC9)
YUV	143.7380, 28.2302, 92.3148
Hunter-Lab	54.7254, 75.1102, -24.8186

Details

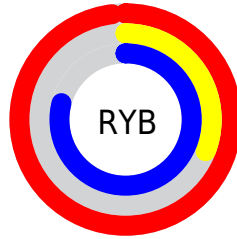
The Yxy color **29.9487, 0.3726, 0.2130** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **70.9171, 0.2853, 0.4943**, and the grayscale version is **27.6579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.2362, 0.3179, 0.2187**, and **12.9254, 0.3867, 0.1904** is the 20% darker color. If you saturate the color by 10%, you get **26.6788, 0.3845, 0.2047**, and if you desaturate by 10%, it is **34.5809, 0.3610, 0.2254**.

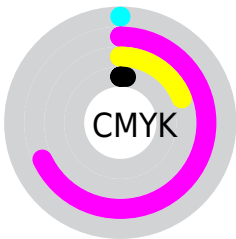
Distribution



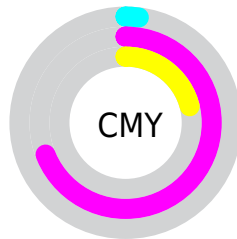
- Red (98%)
- Green (31%)
- Blue (79%)



- Red (98%)
- Yellow (31%)
- Blue (79%)



- Cyan (0%)
- Magenta (68%)
- Yellow (19%)
- Black (2%)




- Cyan (2%)
- Magenta (69%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9487, 0.3726, 0.2130 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 29.9487, 0.3726, 0.2130 by changing the saturation by 10% instead.

 29.9487, 0.3726,
0.2130


 29.9487, 0.3726,
0.2130


301.6653, 0.3437,
0.2685


 19.7997, 0.3794,
0.2001

 59.5810, 0.3624,
0.2325


 12.2495, 0.3879,
0.1841


 79.8331, 0.3585,
0.2400

 6.9138, 0.3987,
0.1640


 104.2217, 0.3551,
0.2464

 3.4083, 0.4127,
0.1380

 133.1311, 0.3522,
0.2520

 1.3484, 0.4316,
0.1041

166.9458, 0.3497,
0.2569

 0.1782, 0.4707,
0.0318

206.0501, 0.3475,


 0.0000, 0.4944,


0.2612


0.0000


250.8284, 0.3455,
0.2650


 0.0000, 0.0000,
0.0000


 29.9487, 0.3726,
0.2130


 29.9487, 0.3726,
0.2130


 26.6788, 0.3845,
0.2047


 34.5809, 0.3610,
0.2254


 24.6076, 0.3964,
0.2013


 40.7056, 0.3502,
0.2410


 23.5162, 0.4079,
0.2027


 48.4425, 0.3403,
0.2586


 23.3703, 0.4100,
0.2032

 57.8980, 0.3316,
0.2772

 69.1693, 0.3239,
0.2960

 82.3466, 0.3174,
0.3144

 97.5137, 0.3118,
0.3320

 98.8697, 0.3090,
0.3290

Harmonies

Analogous

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



29.9487, 0.2470, 0.1698



29.9487, 0.3726, 0.2130



29.9487, 0.5002, 0.2774

Triad

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



29.9487, 0.3726, 0.2130



29.9487, 0.4404, 0.5218



29.9487, 0.1167, 0.2282

Complementary

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



29.9487, 0.3726, 0.2130



70.9171, 0.2853, 0.4943

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.



29.9487, 0.1472, 0.3499



29.9487, 0.3726, 0.2130



29.9487, 0.3317, 0.5735

Square

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



29.9487, 0.3726, 0.2130



29.9487, 0.5271, 0.4337



29.9487, 0.2240, 0.5073



29.9487, 0.1235, 0.1698

Rectangle

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



29.9487, 0.3726, 0.2130



29.9487, 0.5494, 0.3260



29.9487, 0.2240, 0.5073



29.9487, 0.1222, 0.2611

Sweetspot

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



29.9502, 0.3726, 0.2130



70.7727, 0.3252, 0.2926



16.7540, 0.2073, 0.1229



14.4100, 0.3273, 0.2873



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.



29.9502, 0.3726, 0.2130



27.1897, 0.3892, 0.2028



27.0592, 0.4886, 0.2928



17.4361, 0.3181, 0.3121



12.5415, 0.4082, 0.2022



1.1797, 0.3953, 0.1951

Inverse Universe

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



29.9502, 0.3726, 0.2130



27.1897, 0.3892, 0.2028



74.0024, 0.2496, 0.3797



17.4361, 0.3181, 0.3121



12.5415, 0.4082, 0.2022



1.1797, 0.3953, 0.1951

Previews

White Background



This preview shows how the Yxy color 29.9487, 0.3726, 0.2130 looks on a white background.

Color Contrast Check

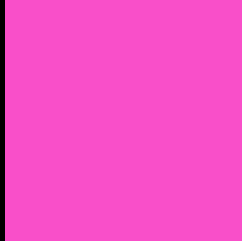
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9487, 0.3726, 0.2130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

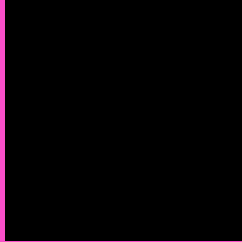
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9487, 0.3726, 0.2130

Background



This preview shows how black text looks on a background with the Yxy color 29.9487, 0.3726, 0.2130.



This preview shows how white text looks on a background with the Yxy color 29.9487, 0.3726, 0.2130.

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

29.9487, 0.3726, 0.2130

Protanopia

30.5383, 0.2076, 0.1884

Deuteranopia

29.9821, 0.2688, 0.2627



Tritanopia

29.9738, 0.4758, 0.3223

Trichromacy



Original Color

29.9487, 0.3726, 0.2130



Protanomaly

26.8858, 0.2459, 0.1864



Deuteranomaly

27.5625, 0.3013, 0.2331



Tritanomaly

29.6125, 0.4398, 0.2799

Monochromacy



Original Color

29.9487, 0.3726, 0.2130



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.0946, 0.3354, 0.2668

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9487, 0.3726, 0.2130 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(249, 79, 201)` looks like.

```
.text, #text, p{  
    color:rgb(249, 79, 201)  
}
```

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(249, 79, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 79, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.9487, 0.3726, 0.2130 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(249, 79, 201) }
```

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

```
.border{ border-color:rgb(249, 79, 201) }
```

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

Here you see how a box with a 4 pixel rgb(249, 79, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 79, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 79, 201);  
box-shadow:4px 4px 4px 4px rgb(249, 79,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9487, 0.3726, 0.2130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 79, 201) }
```

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

```
.background{ background-color: rgb(249, 79,  
201) }
```

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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