

Converting Colors

$Y_{xy}(30.0531, 0.3794, 0.2107)$

Have a look what the booklet for
Yxy(30.0531, 0.3794, 0.2107)
contains.

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Color

Yxy(29.9835, 0.3800, 0.2108)

Conversions

Conversions Part 1

Format	Color
Hex	FF47C9
RGB	255, 71, 201
RGB Percent	100%, 28%, 79%
CMY	0.0000, 0.7218, 0.2117
CMYK	0.00, 0.72, 0.21, 0.00
HSL	318°, 100%, 64%
HSV	318°, 72%, 100%
XYZ	54.0500, 29.9835, 58.2033
YIQ	140.8360, 67.9340, 79.4380

Conversions

Conversions Part 2

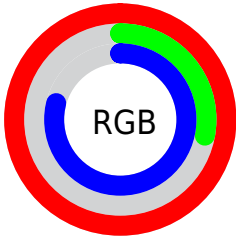
Format	Color
R_{YB}	255, 71, 201
Decimal	16730057
CIE Lab	61.64, 79.59, -28.45
CIE LCh	62, 84.521, 340.328
Yxy	29.9835, 0.3800, 0.2108
Android (android.graphics.Color)	4294920137 (0xFFFF47C9)
YUV	140.8360, 29.6609, 100.1218
Hunter-Lab	54.7572, 80.3694, -24.6913

Details

The Yxy color **29.9835, 0.3800, 0.2108** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **74.3359, 0.2843, 0.5026**, and the grayscale version is **26.4146, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.5302, 0.3181, 0.2136**, and **13.5759, 0.3938, 0.1943** is the 20% darker color. If you saturate the color by 10%, you get **27.0442, 0.3925, 0.2046**, and if you desaturate by 10%, it is **34.2836, 0.3676, 0.2215**.

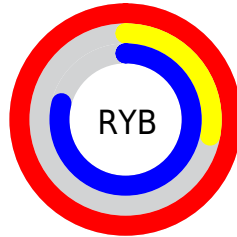
Distribution



Red (100%)

Green (28%)

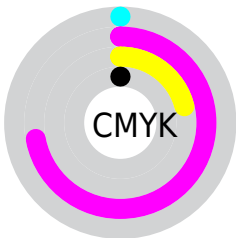
Blue (79%)



Red (100%)

Yellow (28%)

Blue (79%)

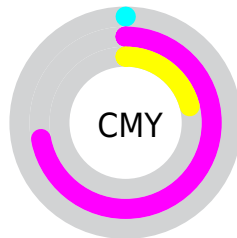


Cyan (0%)

Magenta (72%)

Yellow (21%)

Black (0%)



Cyan (0%)


Magenta (72%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.9835, 0.3800, 0.2108 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 29.9835, 0.3800, 0.2108 by changing the saturation by 10% instead.


 29.9835, 0.3800,
0.2108

 29.9835, 0.3800,
0.2108


301.8275, 0.3474,
0.2671


 19.8261, 0.3877,
0.1978

 59.6361, 0.3684,
0.2305

 12.2687, 0.3974,
0.1816


 79.9000, 0.3640,
0.2382

 6.9269, 0.4098,
0.1614


 104.3016, 0.3602,
0.2447

 3.4164, 0.4260,
0.1353

 133.2252, 0.3569,
0.2504

 1.3528, 0.4480,
0.1016

167.0551, 0.3541,
0.2554

 0.1816, 0.4921,
0.0312

206.1759, 0.3516,

 0.0000, 0.5246,

0.2598

0.0000

250.9719, 0.3494,
0.2636

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 29.9835, 0.3800,
0.2108

■ 29.9835, 0.3800,
0.2108

■ 27.0442, 0.3925,
0.2046

■ 34.2836, 0.3676,
0.2215

■ 25.3054, 0.4049,
0.2035

■ 40.1195, 0.3560,
0.2357

■ 24.5636, 0.4143,
0.2056

■ 47.6150, 0.3452,
0.2524

■ 56.8878, 0.3357,
0.2705

 68.0445, 0.3273,
0.2891

 81.1834, 0.3201,
0.3075

 96.3960, 0.3139,
0.3253

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.



29.9835, 0.2480, 0.1657



29.9835, 0.3800, 0.2108



29.9835, 0.5125, 0.2771

Triad

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



29.9835, 0.3800, 0.2108



29.9835, 0.4385, 0.5301



29.9835, 0.1101, 0.2201

Complementary

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



29.9835, 0.3800, 0.2108



74.3359, 0.2843, 0.5026

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.



29.9835, 0.1389, 0.3442



29.9835, 0.3800, 0.2108



29.9835, 0.3257, 0.5854

Square

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



29.9835, 0.3800, 0.2108



29.9835, 0.5309, 0.4373



29.9835, 0.2155, 0.5122



29.9835, 0.1185, 0.1628

Rectangle

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



29.9835, 0.3800, 0.2108



29.9835, 0.5610, 0.3266



29.9835, 0.2155, 0.5122



29.9835, 0.1150, 0.2530

Sweetspot

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



29.9758, 0.3799, 0.2108



68.2660, 0.3271, 0.2895



15.9356, 0.2026, 0.1133



13.9210, 0.3293, 0.2844



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.



29.9758, 0.3799, 0.2108



26.0706, 0.3985, 0.2034



26.9019, 0.5094, 0.2957



18.2042, 0.3183, 0.3123



12.8624, 0.4124, 0.2045



1.2715, 0.3994, 0.1974

Inverse Universe

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



29.9758, 0.3799, 0.2108



26.0706, 0.3985, 0.2034



77.7696, 0.2469, 0.3791



18.2042, 0.3183, 0.3123



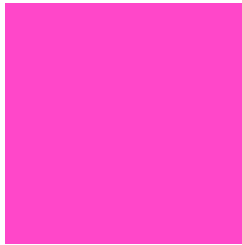
12.8624, 0.4124, 0.2045



1.2715, 0.3994, 0.1974

Previews

White Background



This preview shows how the Yxy color 29.9835, 0.3800, 0.2108 looks on a white background.

Color Contrast Check

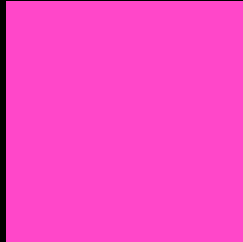
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9835, 0.3800, 0.2108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

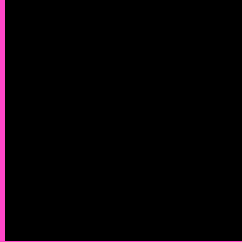
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 29.9835, 0.3800, 0.2108

Background



This preview shows how black text looks on a background with the Yxy color 29.9835, 0.3800, 0.2108.



This preview shows how white text looks on a background with the Yxy color 29.9835, 0.3800, 0.2108.

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

29.9835, 0.3800, 0.2108

Protanopia

30.5445, 0.2068, 0.1874

Deuteranopia

30.0263, 0.2704, 0.2642



Tritanopia

29.9291, 0.4923, 0.3237

Trichromacy



Original Color

29.9835, 0.3800, 0.2108



Protanomaly

26.3599, 0.2471, 0.1835



Deuteranomaly

27.1560, 0.3055, 0.2313



Tritanomaly

29.3918, 0.4529, 0.2785

Monochromacy



Original Color

29.9835, 0.3800, 0.2108



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

25.0802, 0.3383, 0.2639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9835, 0.3800, 0.2108 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, 71, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 71, 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(255, 71, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 71, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.9835, 0.3800, 0.2108 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, 71, 201) }
```

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

```
.border{ border-color:rgb(255, 71, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 71, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 71, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 71, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 71,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9835, 0.3800, 0.2108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 71, 201) }
```

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

```
.background{ background-color: rgb(255, 71,  
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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