

Converting Colors

$Y_{xy}(30.3725, 0.3911, 0.2225)$

Have a look what the booklet for
Yxy(30.3725, 0.3911, 0.2225)
contains.

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Color

Yxy(30.3735, 0.3907, 0.2222)

Conversions

Conversions Part 1

Format	Color
Hex	FF4DC0
RGB	255, 77, 192
RGB Percent	100%, 30%, 75%
CMY	0.0000, 0.6980, 0.2471
CMYK	0.00, 0.70, 0.25, 0.00
HSL	321°, 100%, 65%
HSV	321°, 70%, 100%
XYZ	53.4065, 30.3735, 52.9144
YIQ	143.3320, 69.1730, 73.5010

Conversions

Conversions Part 2

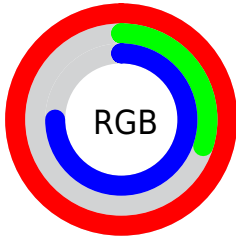
Format	Color
R_{YB}	255, 77, 192
Decimal	16731584
CIE _{Lab}	61.98, 76.49, -22.80
CIE _{LCh}	62, 79.819, 343.401
Yxy	30.3735, 0.3907, 0.2222
Android (android.graphics.Color)	4294921664 (0xFFFF4DC0)
YUV	143.3320, 23.9933, 97.9328
Hunter-Lab	55.1122, 76.5294, -18.3471

Details

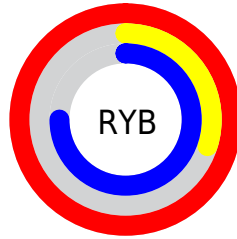
The Yxy color **30.3735, 0.3907, 0.2222** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **74.9896, 0.2800, 0.4821**, and the grayscale version is **27.4926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.2765, 0.3231, 0.2217**, and **13.3043, 0.4107, 0.2036** is the 20% darker color. If you saturate the color by 10%, you get **27.0900, 0.4066, 0.2160**, and if you desaturate by 10%, it is **35.0821, 0.3754, 0.2327**.

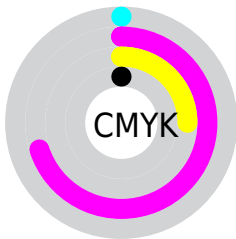
Distribution



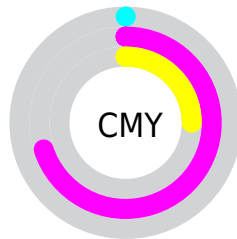
- Red (100%)
- Green (30%)
- Blue (75%)



- Red (100%)
- Yellow (30%)
- Blue (75%)



- Cyan (0%)
- Magenta (70%)
- Yellow (25%)
- Black (0%)





- Cyan (0%)
- Magenta (70%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3735, 0.3907, 0.2222 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 30.3735, 0.3907, 0.2222 by changing the saturation by 10% instead.


 30.3735, 0.3907,
0.2222


 30.3735, 0.3907,
0.2222


303.6416, 0.3518,
0.2739


 20.1223, 0.4003,
0.2100


 60.2523, 0.3767,
0.2405

 12.4839, 0.4124,
0.1948


 80.6487, 0.3714,
0.2475

 7.0742, 0.4284,
0.1753


 105.1956, 0.3669,
0.2535

 3.5085, 0.4501,
0.1499

 134.2774, 0.3630,
0.2587

 1.4026, 0.4810,
0.1159

168.2785, 0.3596,
0.2632

 0.2187, 0.5429,
0.0428

207.5833, 0.3567,


 0.0000, 0.6231,


0.2672


0.0000


252.5762, 0.3541,
0.2707


 0.0000, 0.0000,
0.0000


 30.3735, 0.3907,
0.2222


 30.3735, 0.3907,
0.2222

 27.0900, 0.4066,
0.2160


 35.0821, 0.3754,
0.2327


 25.0526, 0.4225,
0.2149


 41.3576, 0.3612,
0.2465

 23.9840, 0.4379,
0.2187

 49.3297, 0.3485,
0.2624

 23.9660, 0.4383,
0.2188

 59.1131, 0.3373,
0.2793

 70.8125, 0.3277,
0.2965

 84.5248, 0.3195,
0.3133

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



30.3735, 0.2629, 0.1758



30.3735, 0.3907, 0.2222



30.3735, 0.5108, 0.2881

Triad

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



30.3735, 0.3907, 0.2222



30.3735, 0.4257, 0.5308



30.3735, 0.1176, 0.2185

Complementary

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



30.3735, 0.3907, 0.2222



74.9896, 0.2800, 0.4821

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.



30.3735, 0.1424, 0.3295



30.3735, 0.3907, 0.2222



30.3735, 0.3170, 0.5691

Square

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



30.3735, 0.3907, 0.2222



30.3735, 0.5156, 0.4455



30.3735, 0.2125, 0.4851



30.3735, 0.1288, 0.1674

Rectangle

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



30.3735, 0.3907, 0.2222



30.3735, 0.5511, 0.3370



30.3735, 0.2125, 0.4851



30.3735, 0.1214, 0.2479

Sweetspot

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



30.3751, 0.3907, 0.2222



69.3021, 0.3288, 0.2944



18.0458, 0.2153, 0.1237



14.1140, 0.3313, 0.2897



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.



30.3751, 0.3907, 0.2222



26.0940, 0.4133, 0.2149



27.5632, 0.5162, 0.3068



18.1848, 0.3193, 0.3138



12.5527, 0.4358, 0.2174



1.2430, 0.4192, 0.2083

Inverse Universe

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



30.3751, 0.3907, 0.2222



26.0940, 0.4133, 0.2149



78.7136, 0.2429, 0.3617



18.1848, 0.3193, 0.3138



12.5527, 0.4358, 0.2174



1.2430, 0.4192, 0.2083

Previews

White Background



This preview shows how the Yxy color 30.3735, 0.3907, 0.2222 looks on a white background.

Color Contrast Check

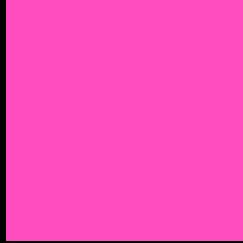
Large Text (above 18pt) WCAG AA × Fail

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 30.3735, 0.3907, 0.2222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

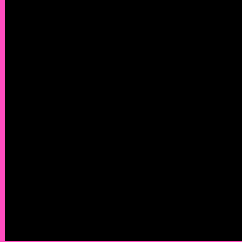
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3735, 0.3907, 0.2222

Background



This preview shows how black text looks on a background with the Yxy color 30.3735, 0.3907, 0.2222.



This preview shows how white text looks on a background with the Yxy color 30.3735, 0.3907, 0.2222.

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

30.3735, 0.3907, 0.2222

Protanopia

30.8395, 0.2161, 0.1991

Deuteranopia

30.5407, 0.2823, 0.2773



Tritanopia

30.3254, 0.4912, 0.3237

Trichromacy



Original Color

30.3735, 0.3907, 0.2222



Protanomaly

27.1966, 0.2588, 0.1966



Deuteranomaly

28.0290, 0.3177, 0.2452



Tritanomaly

29.9985, 0.4569, 0.2844

Monochromacy



Original Color

30.3735, 0.3907, 0.2222



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

25.9572, 0.3425, 0.2711

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3735, 0.3907, 0.2222 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, 77, 192)` looks like.

```
.text, #text, p{  
    color:rgb(255, 77, 192)  
}
```

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, 77, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 77, 192) }
```

Border

The CSS property to change the border of an element to Yxy 30.3735, 0.3907, 0.2222 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, 77, 192) }
```

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

```
.border{ border-color:rgb(255, 77, 192) }
```

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

Here you see how a box with a 4 pixel rgb(255, 77, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 77, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 77, 192);  
box-shadow:4px 4px 4px 4px rgb(255, 77,  
192) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3735, 0.3907, 0.2222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 77, 192) }
```

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

```
.background{ background-color: rgb(255, 77,  
192) }
```

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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