

Converting Colors

$Y_{xy}(30.0944, 0.3872, 0.2176)$

Have a look what the booklet for
Yxy(30.0944, 0.3872, 0.2176)
contains.

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Color

Yxy(30.0977, 0.3873, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	FF4AC3
RGB	255, 74, 195
RGB Percent	100%, 29%, 76%
CMY	0.0000, 0.7099, 0.2353
CMYK	0.00, 0.71, 0.24, 0.00
HSL	320°, 100%, 65%
HSV	320°, 71%, 100%
XYZ	53.5454, 30.0977, 54.6100
YIQ	141.9130, 69.0350, 76.0030

Conversions

Conversions Part 2

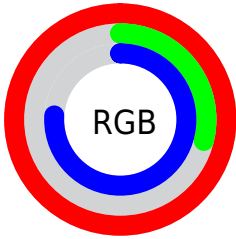
Format	Color
R _Y B	255, 74, 195
Decimal	16730819
CIE Lab	61.74, 77.87, -24.87
CIE LCh	62, 81.747, 342.287
Yxy	30.0977, 0.3873, 0.2177
Android (android.graphics.Color)	4294920899 (0xFFFF4AC3)
YUV	141.9130, 26.1719, 99.1773
Hunter-Lab	54.8614, 78.2110, -20.6154

Details

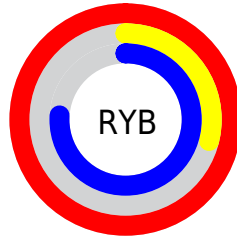
The Yxy color **30.0977, 0.3873, 0.2177** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **74.6958, 0.2816, 0.4905**, and the grayscale version is **26.8815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.8966, 0.3206, 0.2176**, and **13.3924, 0.4050, 0.2005** is the 20% darker color. If you saturate the color by 10%, you get **26.9811, 0.4019, 0.2117**, and if you desaturate by 10%, it is **34.6071, 0.3731, 0.2282**.

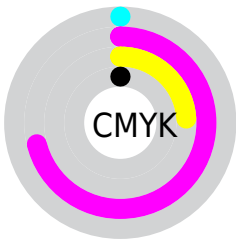
Distribution



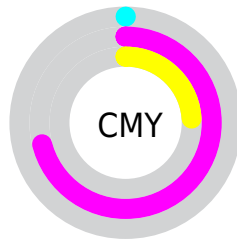
- Red (100%)
- Green (29%)
- Blue (76%)



- Red (100%)
- Yellow (29%)
- Blue (76%)



- Cyan (0%)
- Magenta (71%)
- Yellow (24%)
- Black (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0977, 0.3873, 0.2177 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 30.0977, 0.3873, 0.2177 by changing the saturation by 10% instead.


 30.0977, 0.3873,
0.2177


 30.0977, 0.3873,
0.2177


302.3596, 0.3504,
0.2713

 19.9128, 0.3963,
0.2051

 59.8167, 0.3741,
0.2366

 12.3316, 0.4076,
0.1895


 80.1194, 0.3690,
0.2439

 6.9700, 0.4224,
0.1697


 104.5637, 0.3648,
0.2501

 3.4433, 0.4423,
0.1439

 133.5337, 0.3611,
0.2555

 1.3673, 0.4701,
0.1098

167.4139, 0.3579,
0.2602

 0.1925, 0.5265,
0.0363

206.5887, 0.3551,

 0.0000, 0.5847,

0.2643


0.0000

251.4424, 0.3526,
0.2680


 0.0000, 0.0000,
0.0000


 30.0977, 0.3873,
0.2177


 30.0977, 0.3873,
0.2177


 26.9811, 0.4019,
0.2117


 34.6071, 0.3731,
0.2282


 25.0895, 0.4165,
0.2107


 40.6695, 0.3598,
0.2421


 24.1799, 0.4292,
0.2138

 48.4109, 0.3477,
0.2582

 57.9476, 0.3371,
0.2756

 69.3852, 0.3279,
0.2933

 82.8213, 0.3200,
0.3107

 98.3467, 0.3133,
0.3274

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.



30.0977, 0.2573, 0.1716



30.0977, 0.3873, 0.2177



30.0977, 0.5124, 0.2839

Triad

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



30.0977, 0.3873, 0.2177



30.0977, 0.4304, 0.5314



30.0977, 0.1143, 0.2184

Complementary

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



30.0977, 0.3873, 0.2177



74.6958, 0.2816, 0.4905

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.



30.0977, 0.1404, 0.3344



30.0977, 0.3873, 0.2177



30.0977, 0.3199, 0.5764

Square

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



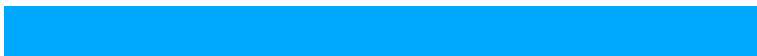
30.0977, 0.3873, 0.2177



30.0977, 0.5217, 0.4428



30.0977, 0.2130, 0.4955



30.0977, 0.1245, 0.1651

Rectangle

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



30.0977, 0.3873, 0.2177



30.0977, 0.5557, 0.3331



30.0977, 0.2130, 0.4955



30.0977, 0.1185, 0.2492

Sweetspot

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



30.0940, 0.3873, 0.2177



69.3723, 0.3279, 0.2933



16.9637, 0.2089, 0.1185



14.1308, 0.3303, 0.2884



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.



30.0940, 0.3873, 0.2177



26.0872, 0.4078, 0.2106



27.2194, 0.5131, 0.3013



18.1920, 0.3189, 0.3132



12.6633, 0.4270, 0.2126



1.2532, 0.4117, 0.2042

Inverse Universe

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



30.0940, 0.3873, 0.2177



26.0872, 0.4078, 0.2106



78.2388, 0.2448, 0.3702



18.1920, 0.3189, 0.3132



12.6633, 0.4270, 0.2126



1.2532, 0.4117, 0.2042

Previews

White Background



This preview shows how the Yxy color 30.0977, 0.3873, 0.2177 looks on a white background.

Color Contrast Check

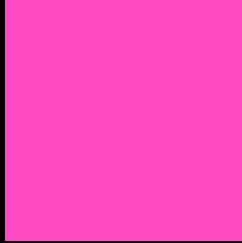
Large Text (above 18pt) WCAG AA × Fail

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 30.0977, 0.3873, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

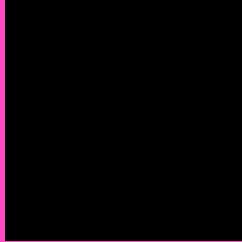
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0977, 0.3873, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 30.0977, 0.3873, 0.2177.



This preview shows how white text looks on a background with the Yxy color 30.0977, 0.3873, 0.2177.

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

30.0977, 0.3873, 0.2177

Protanopia

30.5870, 0.2107, 0.1916

Deuteranopia

30.1715, 0.2779, 0.2714



Tritanopia

29.9291, 0.4923, 0.3237

Trichromacy



Original Color

30.0977, 0.3873, 0.2177



Protanomaly

26.6760, 0.2524, 0.1889



Deuteranomaly

27.5462, 0.3137, 0.2390



Tritanomaly

29.6411, 0.4563, 0.2833

Monochromacy



Original Color

30.0977, 0.3873, 0.2177



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

25.3631, 0.3417, 0.2681

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0977, 0.3873, 0.2177 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, 74, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 195)  
}
```

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, 74, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 195) }
```

Border

The CSS property to change the border of an element to Yxy 30.0977, 0.3873, 0.2177 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, 74, 195) }
```

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

```
.border{ border-color:rgb(255, 74, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 74, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0977, 0.3873, 0.2177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 74, 195) }
```

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

```
.background{ background-color: rgb(255, 74,  
195) }
```

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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