

Converting Colors

$Y_{xy}(29.9911, 0.3901, 0.2196)$

Have a look what the booklet for
Yxy(29.9911, 0.3901, 0.2196)
contains.

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Color

Yxy(30.0078, 0.3898, 0.2194)

Conversions

Conversions Part 1

Format	Color
Hex	FF4AC1
RGB	255, 74, 193
RGB Percent	100%, 29%, 76%
CMY	0.0000, 0.7097, 0.2430
CMYK	0.00, 0.71, 0.24, 0.00
HSL	321°, 100%, 65%
HSV	321°, 71%, 100%
XYZ	53.3138, 30.0078, 53.4505
YIQ	141.6850, 69.6770, 75.3810

Conversions

Conversions Part 2

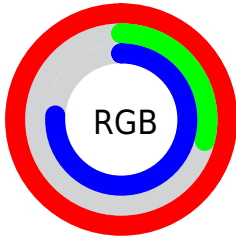
Format	Color
R_{YB}	255, 74, 193
Decimal	16730817
CIE _{Lab}	61.66, 77.61, -23.87
CIE _{LCh}	62, 81.197, 342.902
Yxy	30.0078, 0.3898, 0.2194
Android (android.graphics.Color)	4294920897 (0xFFFF4AC1)
YUV	141.6850, 25.2983, 99.3773
Hunter-Lab	54.7794, 77.8604, -19.5062

Details

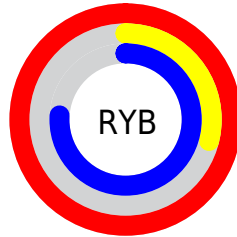
The Yxy color **30.0078, 0.3898, 0.2194** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed magenta. A complement of this color would be **74.7465, 0.2808, 0.4879**, and the grayscale version is **26.8009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7704, 0.3223, 0.2192**, and **13.3334, 0.4088, 0.2026** is the 20% darker color. If you saturate the color by 10%, you get **26.8877, 0.4051, 0.2136**, and if you desaturate by 10%, it is **34.5326, 0.3750, 0.2297**.

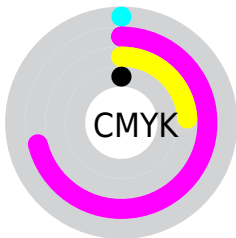
Distribution



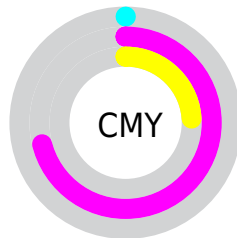
- Red (100%)
- Green (29%)
- Blue (76%)



- 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 30.0078, 0.3898, 0.2194 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 30.0078, 0.3898, 0.2194 by changing the saturation by 10% instead.


 30.0078, 0.3898,
0.2194


 30.0078, 0.3898,
0.2194


301.9408, 0.3515,
0.2723

 19.8445, 0.3992,
0.2069


 59.6745, 0.3760,
0.2381


 12.2821, 0.4111,
0.1914


 79.9467, 0.3708,
0.2453

 6.9361, 0.4267,
0.1716


 104.3574, 0.3663,
0.2514

 3.4222, 0.4478,
0.1459

 133.2908, 0.3625,
0.2567

 1.3559, 0.4775,
0.1117

167.1315, 0.3592,
0.2614

 0.1839, 0.5387,
0.0359

206.2638, 0.3563,

 0.0000, 0.6080,

0.2655

0.0000

251.0721, 0.3538,
0.2691

■ 0.0000, 0.0000,
0.0000

■ 30.0078, 0.3898,
0.2194

■ 30.0078, 0.3898,
0.2194

■ 26.8877, 0.4051,
0.2136

■ 34.5326, 0.3750,
0.2297

■ 24.9890, 0.4202,
0.2129


■ 40.6066, 0.3612,
0.2434

■ 24.0734, 0.4336,
0.2162

■ 48.3612, 0.3488,
0.2593

■ 57.9124, 0.3378,
0.2765

■ 69.3661, 0.3283,
0.2939

 82.8198, 0.3202,
0.3110

 98.3642, 0.3133,
0.3275

99.9979, 0.3127,
0.3290

Harmonies

Analogous

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



30.0078, 0.2600, 0.1729



30.0078, 0.3898, 0.2194



30.0078, 0.5133, 0.2857

Triad

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



30.0078, 0.3898, 0.2194



30.0078, 0.4281, 0.5323



30.0078, 0.1149, 0.2174

Complementary

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



30.0078, 0.3898, 0.2194



74.7465, 0.2808, 0.4879

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.



30.0078, 0.1403, 0.3315



30.0078, 0.3898, 0.2194



30.0078, 0.3179, 0.5747

Square

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



30.0078, 0.3898, 0.2194



30.0078, 0.5195, 0.4445



30.0078, 0.2117, 0.4914



30.0078, 0.1258, 0.1652

Rectangle

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



30.0078, 0.3898, 0.2194



30.0078, 0.5551, 0.3349



30.0078, 0.2117, 0.4914



30.0078, 0.1189, 0.2476

Sweetspot

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



30.0094, 0.3898, 0.2194



69.3383, 0.3283, 0.2938



17.2156, 0.2111, 0.1196



14.1226, 0.3308, 0.2890



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.



30.0094, 0.3898, 0.2194



25.9898, 0.4112, 0.2126



27.1610, 0.5172, 0.3041



18.1885, 0.3191, 0.3135



12.6092, 0.4312, 0.2149



1.2482, 0.4153, 0.2062

Inverse Universe

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



30.0094, 0.3898, 0.2194



25.9898, 0.4112, 0.2126



78.3963, 0.2436, 0.3663



18.1885, 0.3191, 0.3135



12.6092, 0.4312, 0.2149



1.2482, 0.4153, 0.2062

Previews

White Background



This preview shows how the Yxy color 30.0078, 0.3898, 0.2194 looks on a white background.

Color Contrast Check

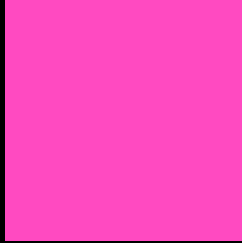
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.0078, 0.3898, 0.2194 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 30.0078, 0.3898, 0.2194

Background



This preview shows how black text looks on a background with the Yxy color 30.0078, 0.3898, 0.2194.



This preview shows how white text looks on a background with the Yxy color 30.0078, 0.3898, 0.2194.

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

30.0078, 0.3898, 0.2194

Protanopia

30.4609, 0.2124, 0.1944

Deuteranopia

30.1797, 0.2804, 0.2743



Tritanopia

29.9207, 0.4938, 0.3228

Trichromacy



Original Color

30.0078, 0.3898, 0.2194



Protanomaly

26.6114, 0.2554, 0.1919



Deuteranomaly

27.4599, 0.3157, 0.2413



Tritanomaly

29.6565, 0.4577, 0.2827

Monochromacy



Original Color

30.0078, 0.3898, 0.2194



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 30.0078, 0.3898, 0.2194 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 74, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 74, 193) }
```

Border

The CSS property to change the border of an element to Yxy 30.0078, 0.3898, 0.2194 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, 193) }
```

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

```
.border{ border-color:rgb(255, 74, 193) }
```

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, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 74, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 74, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 74,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0078, 0.3898, 0.2194 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, 193) }
```

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

```
.background{ background-color: rgb(255, 74,  
193) }
```

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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