

Converting Colors

$Y_{xy}(41.1695, 0.3386, 0.2214)$

Have a look what the booklet for
Yxy(41.1695, 0.3386, 0.2214)
contains.

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Color

Yxy(41.0623, 0.3388, 0.2212)

Conversions

Conversions Part 1

Format	Color
Hex	FF7AE9
RGB	255, 122, 233
RGB Percent	100%, 48%, 91%
CMY	0.0002, 0.5214, 0.0864
CMYK	0.00, 0.52, 0.09, 0.00
HSL	310°, 100%, 74%
HSV	310°, 52%, 100%
XYZ	62.8929, 41.0623, 81.6791
YIQ	174.4210, 43.6370, 62.7170

Conversions

Conversions Part 2

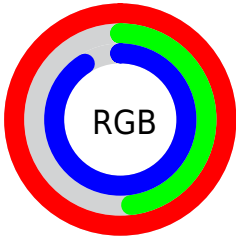
Format	Color
R _Y B	255, 122, 233
Decimal	16743145
CIE Lab	70.22, 64.07, -33.07
CIE LCh	70, 72.099, 332.698
Yxy	41.0623, 0.3388, 0.2212
Android (android.graphics.Color)	4294933225 (0xFFFF7AE9)
YUV	174.4210, 28.8794, 70.6678
Hunter-Lab	64.0799, 63.0538, -30.7178

Details

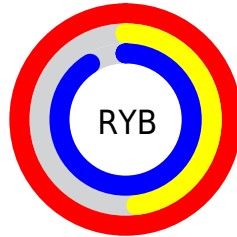
The Yxy color **41.0623, 0.3388, 0.2212** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **77.6502, 0.2954, 0.4698**, and the grayscale version is **42.3925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **18.6907, 0.3439, 0.1972** is the 20% darker color. If you saturate the color by 10%, you get **35.3621, 0.3452, 0.2049**, and if you desaturate by 10%, it is **48.4142, 0.3327, 0.2402**.

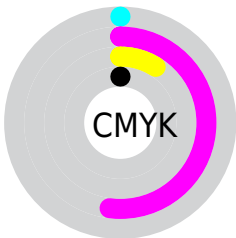
Distribution



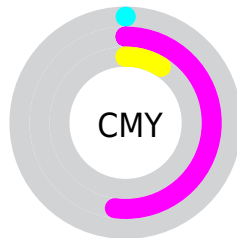
- Red (100%)
- Green (48%)
- Blue (91%)



- Red (100%)
- Yellow (48%)
- Blue (91%)



- Cyan (0%)
- Magenta (52%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (52%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.0623, 0.3388, 0.2212 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 41.0623, 0.3388, 0.2212 by changing the saturation by 10% instead.


 41.0623, 0.3388,
0.2212


 41.0623, 0.3388,
0.2212


350.5809, 0.3279,
0.2705

 28.3678, 0.3410,
0.2102


 76.7785, 0.3353,
0.2381

 18.6031, 0.3435,
0.1968


 100.5689, 0.3338,
0.2448

 11.3838, 0.3463,
0.1802


 128.8267, 0.3325,
0.2505

 6.3256, 0.3494,
0.1593

161.9363, 0.3314,
0.2555

 3.0441, 0.3526,
0.1322

200.2822, 0.3304,
0.2600

 1.1548, 0.3547,
0.0970

244.2486, 0.3294,

 0.0243, 0.3696,

0.2639

0.0049

294.2201, 0.3286,
0.2674

■ 0.0000, 0.3188,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.0623, 0.3388,
0.2212

■ 41.0623, 0.3388,
0.2212

■ 35.3621, 0.3452,
0.2049

■ 48.4142, 0.3327,
0.2402

■ 31.1766, 0.3517,
0.1923

■ 57.5292, 0.3271,
0.2609


■ 28.3561, 0.3581,
0.1841

■ 68.5158, 0.3220,
0.2824

■ 26.7179, 0.3642,
0.1806

■ 81.4720, 0.3174,
0.3038

 26.0453, 0.3688,
0.1805

 96.4889, 0.3135,
0.3247

99.9925, 0.3127,
0.3290

Harmonies

Analogous

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



41.0623, 0.2408, 0.1879



41.0623, 0.3388, 0.2212



41.0623, 0.4451, 0.2753

Triad

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



41.0623, 0.3388, 0.2212



41.0623, 0.4459, 0.4822



41.0623, 0.1487, 0.2670

Complementary

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



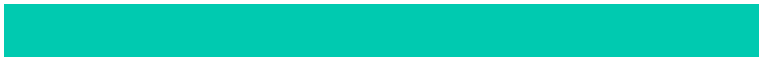
41.0623, 0.3388, 0.2212



77.6502, 0.2954, 0.4698

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.



41.0623, 0.1870, 0.3755



41.0623, 0.3388, 0.2212



41.0623, 0.3574, 0.5242

Square

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



41.0623, 0.3388, 0.2212



41.0623, 0.5055, 0.4119



41.0623, 0.2627, 0.4877



41.0623, 0.1464, 0.2037

Rectangle

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



41.0623, 0.3388, 0.2212



41.0623, 0.4957, 0.3182



41.0623, 0.2627, 0.4877



41.0623, 0.1571, 0.2987

Sweetspot

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



41.0642, 0.3388, 0.2212



76.2473, 0.3191, 0.2956



26.8969, 0.2247, 0.1671



15.7482, 0.3201, 0.2912



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.



41.0642, 0.3388, 0.2212



34.9527, 0.3458, 0.2037



38.0310, 0.4094, 0.2815



18.2457, 0.3163, 0.3094



13.6332, 0.3679, 0.1800



1.3405, 0.3616, 0.1766

Inverse Universe

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



41.0642, 0.3388, 0.2212



34.9527, 0.3458, 0.2037



80.2113, 0.2655, 0.3857



18.2457, 0.3163, 0.3094



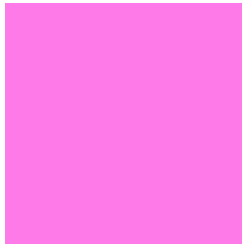
13.6332, 0.3679, 0.1800



1.3405, 0.3616, 0.1766

Previews

White Background



This preview shows how the Yxy color 41.0623, 0.3388, 0.2212 looks on a white background.

Color Contrast Check

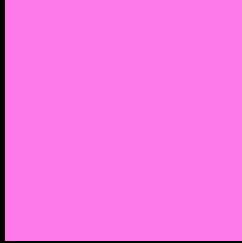
Large Text (above 18pt) WCAG AA × Fail

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 41.0623, 0.3388, 0.2212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

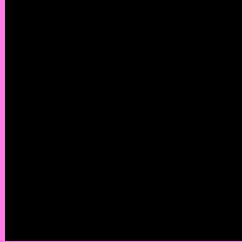
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.0623, 0.3388, 0.2212

Background



This preview shows how black text looks on a background with the Yxy color 41.0623, 0.3388, 0.2212.

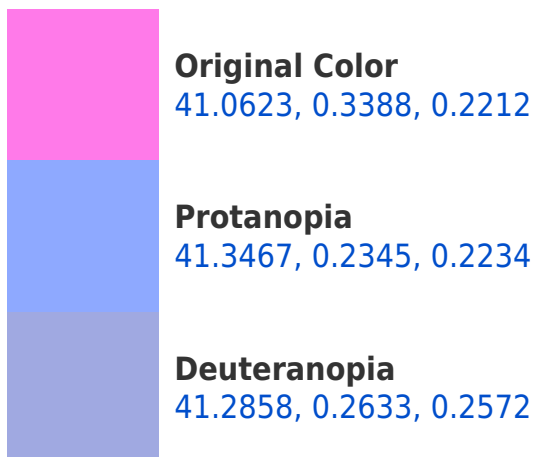


This preview shows how white text looks on a background with the Yxy color 41.0623, 0.3388, 0.2212.

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





Tritanopia

40.9096, 0.4127, 0.3174

Trichromacy



Original Color

41.0623, 0.3388, 0.2212



Protanomaly

39.2392, 0.2644, 0.2182



Deuteranomaly

39.6600, 0.2877, 0.2390



Tritanomaly

40.5261, 0.3856, 0.2794

Monochromacy



Original Color

41.0623, 0.3388, 0.2212



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

40.0793, 0.3226, 0.2799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.0623, 0.3388, 0.2212 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, 122, 233)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 233)  
}
```

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, 122, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 233) }
```

Border

The CSS property to change the border of an element to Yxy 41.0623, 0.3388, 0.2212 is called "border". The border property can be set on classes, ids or directly on the HTML element.

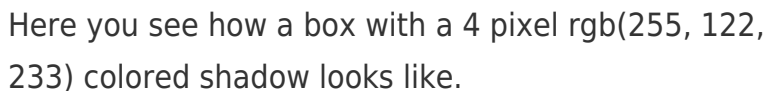
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 122, 233) }
```

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

```
.border{ border-color:rgb(255, 122, 233) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 122, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 122, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 122, 233); box-shadow:4px 4px 4px 4px rgb(255, 122, 233) }
```


Background

The CSS property to change the background color of an element to Yxy 41.0623, 0.3388, 0.2212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 233) }
```

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

```
.background{ background-color: rgb(255,  
122, 233) }
```

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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