

Converting Colors

$Y_{xy}(52.4897, 0.4709, 0.2780)$

Have a look what the booklet for
Yxy(52.4897, 0.4709, 0.2780)
contains.

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Color

Yxy(34.7824, 0.4027, 0.2573)

Conversions

Conversions Part 1

Format	Color
Hex	FF6AB2
RGB	255, 106, 178
RGB Percent	100%, 42%, 70%
CMY	0.0000, 0.5844, 0.3020
CMYK	0.00, 0.58, 0.30, 0.00
HSL	331°, 100%, 71%
HSV	331°, 58%, 100%
XYZ	54.4379, 34.7824, 45.9620
YIQ	158.7590, 65.6920, 53.9800

Conversions

Conversions Part 2

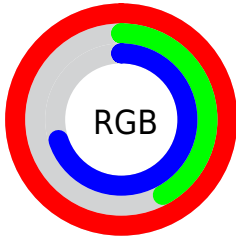
Format	Color
R _{YB}	255, 106, 178
Decimal	16738994
CIE Lab	65.58, 63.60, -9.38
CIE LCh	66, 64.286, 351.614
Yxy	34.7824, 0.4027, 0.2573
Android (android.graphics.Color)	4294929074 (0xFFFF6AB2)
YUV	158.7590, 9.4858, 84.4034
Hunter-Lab	58.9766, 61.5540, -4.9226

Details

The Yxy color **34.7824, 0.4027, 0.2573** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.0012, 0.2710, 0.4206**, and the grayscale version is **34.4824, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.3949, 0.3341, 0.2578**, and **15.0368, 0.4309, 0.2383** is the 20% darker color. If you saturate the color by 10%, you get **29.7781, 0.4269, 0.2497**, and if you desaturate by 10%, it is **41.3913, 0.3808, 0.2679**.

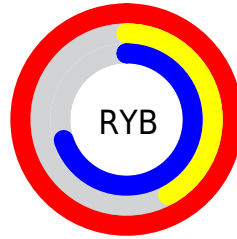
Distribution



Red (100%)

Green (42%)

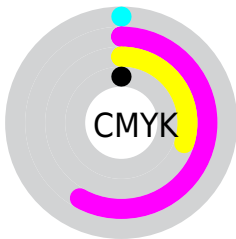
Blue (70%)



Red (100%)

Yellow (42%)

Blue (70%)

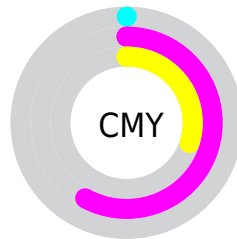


Cyan (0%)

Magenta (58%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7824, 0.4027, 0.2573 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 34.7824, 0.4027, 0.2573 by changing the saturation by 10% instead.


 34.7824, 0.4027,
0.2573

 34.7824, 0.4027,
0.2573


323.6068, 0.3567,
0.2930


 23.4953, 0.4144,
0.2485


 67.1485, 0.3858,
0.2702

 14.9597, 0.4296,
0.2373


 88.9964, 0.3795,
0.2751

 8.7911, 0.4500,
0.2226


 115.1332, 0.3742,
0.2792

 4.6052, 0.4787,
0.2025

 145.9435, 0.3696,
0.2827

 2.0175, 0.5216,
0.1737

181.8116, 0.3657,
0.2858

 0.6176, 0.5944,
0.1257

223.1219, 0.3623,

 0.0000, 0.9007,

0.2885

0.0000

270.2589, 0.3593,
0.2909

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 34.7824, 0.4027,
0.2573

■ 34.7824, 0.4027,
0.2573

■ 29.7781, 0.4269,
0.2497

■ 41.3913, 0.3808,
0.2679

■ 26.2459, 0.4527,
0.2463

■ 49.7440, 0.3618,
0.2802

■ 24.0110, 0.4787,
0.2482

■ 59.9505, 0.3456,
0.2932

■ 22.8345, 0.5035,
0.2555

■ 72.1153, 0.3320,
0.3063

■ 22.6959, 0.5074,
0.2569

■ 86.3349, 0.3207,
0.3189

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.



34.7824, 0.3007, 0.2117



34.7824, 0.4027, 0.2573



34.7824, 0.4835, 0.3176

Triad

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



34.7824, 0.4027, 0.2573



34.7824, 0.3898, 0.5055



34.7824, 0.1508, 0.2278

Complementary

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



34.7824, 0.4027, 0.2573



78.0012, 0.2710, 0.4206

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.



34.7824, 0.1657, 0.3049



34.7824, 0.4027, 0.2573



34.7824, 0.2992, 0.5006

Square

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



34.7824, 0.4027, 0.2573



34.7824, 0.4659, 0.4530



34.7824, 0.2170, 0.4153



34.7824, 0.1682, 0.1919

Rectangle

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



34.7824, 0.4027, 0.2573



34.7824, 0.5051, 0.3618



34.7824, 0.2170, 0.4153



34.7824, 0.1520, 0.2486

Sweetspot

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



34.7784, 0.4027, 0.2573



72.6955, 0.3314, 0.3068



27.5883, 0.2543, 0.1642



14.7521, 0.3351, 0.3031



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.



34.7784, 0.4027, 0.2573



29.1339, 0.4309, 0.2488



33.1236, 0.4935, 0.3319



18.1333, 0.3218, 0.3176



11.8890, 0.5035, 0.2548



1.1795, 0.4772, 0.2402

Inverse Universe

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



34.7784, 0.4027, 0.2573



29.1339, 0.4309, 0.2488



80.2286, 0.2395, 0.3259



18.1333, 0.3218, 0.3176



11.8890, 0.5035, 0.2548



1.1795, 0.4772, 0.2402

Previews

White Background



This preview shows how the Yxy color 34.7824, 0.4027, 0.2573 looks on a white background.

Color Contrast Check

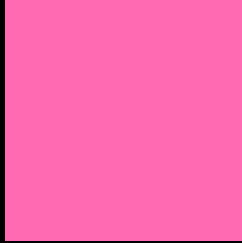
Large Text (above 18pt) WCAG AA × Fail

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 34.7824, 0.4027, 0.2573 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 34.7824, 0.4027, 0.2573

Background



This preview shows how black text looks on a background with the Yxy color 34.7824, 0.4027, 0.2573.



This preview shows how white text looks on a background with the Yxy color 34.7824, 0.4027, 0.2573.

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

34.7824, 0.4027, 0.2573

Protanopia

35.1871, 0.2575, 0.2535

Deuteranopia

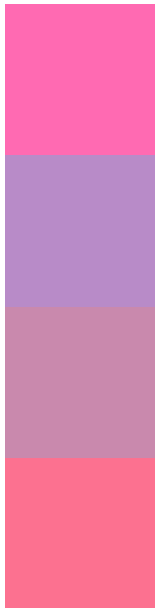
34.8910, 0.3137, 0.3079



Tritanopia

34.7125, 0.4614, 0.3213

Trichromacy



Original Color

34.7824, 0.4027, 0.2573

Protanomaly

32.8257, 0.3006, 0.2503

Deuteranomaly

33.3260, 0.3446, 0.2831

Tritanomaly

34.5193, 0.4405, 0.2977

Monochromacy



Original Color

34.7824, 0.4027, 0.2573

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

32.9787, 0.3441, 0.2947

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7824, 0.4027, 0.2573 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, 106, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 178)  
}
```

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, 106, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 178) }
```

Border

The CSS property to change the border of an element to Yxy 34.7824, 0.4027, 0.2573 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, 106, 178) }
```

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

```
.border{ border-color:rgb(255, 106, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7824, 0.4027, 0.2573 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 178) }
```

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

```
.background{ background-color: rgb(255,  
106, 178) }
```

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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