

Converting Colors

$Y_{xy}(39.2395, 0.4329, 0.2568)$

Have a look what the booklet for
Yxy(39.2395, 0.4329, 0.2568)
contains.

Yxy(32.7397, 0.4028, 0.2462)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.7397, 0.4028, 0.2462)

Conversions

Conversions Part 1

Format	Color
Hex	FF5FB4
RGB	255, 95, 180
RGB Percent	100%, 37%, 71%
CMY	0.0001, 0.6273, 0.2941
CMYK	0.00, 0.63, 0.29, 0.00
HSL	328°, 100%, 69%
HSV	328°, 63%, 100%
XYZ	53.5644, 32.7397, 46.6760
YIQ	152.5300, 68.0750, 60.3550

Conversions

Conversions Part 2

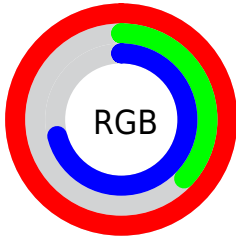
Format	Color
R _Y B	255, 95, 180
Decimal	16736180
CIE Lab	63.95, 68.39, -12.96
CIE LCh	64, 69.606, 349.271
Yxy	32.7397, 0.4028, 0.2462
Android (android.graphics.Color)	4294926260 (0xFFFF5FB4)
YUV	152.5300, 13.5427, 89.8662
Hunter-Lab	57.2186, 66.9676, -8.3127

Details

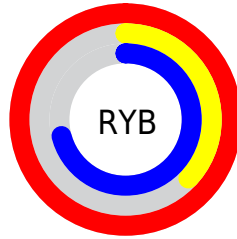
The Yxy color **32.7397, 0.4028, 0.2462** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **76.8434, 0.2729, 0.4393**, and the grayscale version is **31.5637, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.0986, 0.3333, 0.2464**, and **13.7855, 0.4297, 0.2238** is the 20% darker color. If you saturate the color by 10%, you get **28.4071, 0.4249, 0.2392**, and if you desaturate by 10%, it is **38.6203, 0.3824, 0.2568**.

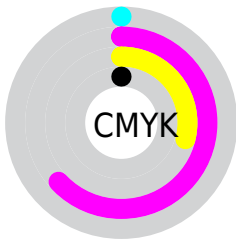
Distribution



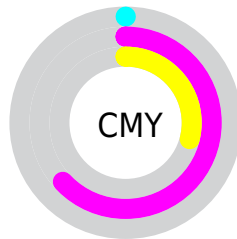
- Red (100%)
- Green (37%)
- Blue (71%)



- Red (100%)
- Yellow (37%)
- Blue (71%)



- Cyan (0%)
- Magenta (63%)
- Yellow (29%)
- Black (0%)




- Cyan (0%)
- Magenta (63%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7397, 0.4028, 0.2462 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 32.7397, 0.4028, 0.2462 by changing the saturation by 10% instead.

 32.7397, 0.4028,
0.2462


 32.7397, 0.4028,
0.2462


314.4752, 0.3568,
0.2872

 21.9271, 0.4145,
0.2362


 63.9689, 0.3859,
0.2609


 13.8034, 0.4297,
0.2235


 85.1543, 0.3796,
0.2665

 7.9840, 0.4500,
0.2069


 110.5662, 0.3743,
0.2713

 4.0847, 0.4784,
0.1846

 140.5888, 0.3698,
0.2754

 1.7211, 0.5207,
0.1530

175.6066, 0.3658,
0.2789

 0.4372, 0.5978,
0.0934

216.0040, 0.3624,

 0.0000, 0.8557,

0.2820

0.0000

262.1654, 0.3594,
0.2847

■ 0.0000, 0.0000,
0.0000

■ 32.7397, 0.4028,
0.2462

■ 32.7397, 0.4028,
0.2462

■ 28.4071, 0.4249,
0.2392

■ 38.6203, 0.3824,
0.2568

■ 25.4635, 0.4479,
0.2369

■ 46.1773, 0.3644,
0.2696

■ 23.7241, 0.4707,
0.2401

■ 55.5312, 0.3487,
0.2836

■ 23.0179, 0.4866,
0.2454

■ 66.7900, 0.3354,
0.2980

■ 80.0530, 0.3242,
0.3120

95.4128, 0.3150,
0.3255

99.9959, 0.3127,
0.3290

Harmonies

Analogous

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



32.7397, 0.2905, 0.1994



32.7397, 0.4028, 0.2462



32.7397, 0.4960, 0.3092

Triad

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



32.7397, 0.4028, 0.2462



32.7397, 0.4006, 0.5184



32.7397, 0.1382, 0.2222

Complementary

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



32.7397, 0.4028, 0.2462



76.8434, 0.2729, 0.4393

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.



32.7397, 0.1559, 0.3093



32.7397, 0.4028, 0.2462



32.7397, 0.3030, 0.5248

Square

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



32.7397, 0.4028, 0.2462



32.7397, 0.4824, 0.4543



32.7397, 0.2129, 0.4349



32.7397, 0.1542, 0.1820

Rectangle

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



32.7397, 0.4028, 0.2462



32.7397, 0.5225, 0.3555



32.7397, 0.2129, 0.4349



32.7397, 0.1401, 0.2455

Sweetspot

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



32.7414, 0.4028, 0.2462



71.5105, 0.3310, 0.3033



23.9185, 0.2420, 0.1497



14.5280, 0.3343, 0.2992



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.



32.7414, 0.4028, 0.2462



27.6279, 0.4301, 0.2382



30.3733, 0.5095, 0.3248



18.1484, 0.3211, 0.3164



12.0601, 0.4832, 0.2435



1.1963, 0.4595, 0.2305

Inverse Universe

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



32.7414, 0.4028, 0.2462



27.6279, 0.4301, 0.2382



80.8207, 0.2391, 0.3351



18.1484, 0.3211, 0.3164



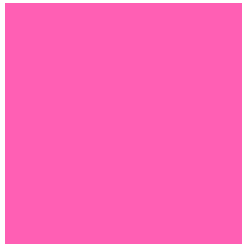
12.0601, 0.4832, 0.2435



1.1963, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 32.7397, 0.4028, 0.2462 looks on a white background.

Color Contrast Check

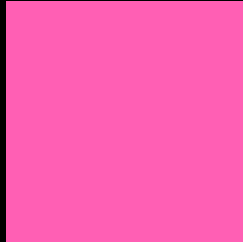
Large Text (above 18pt) WCAG AA × Fail

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 32.7397, 0.4028, 0.2462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

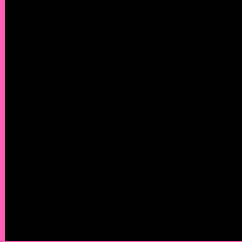
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7397, 0.4028, 0.2462

Background



This preview shows how black text looks on a background with the Yxy color 32.7397, 0.4028, 0.2462.



This preview shows how white text looks on a background with the Yxy color 32.7397, 0.4028, 0.2462.

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

32.7397, 0.4028, 0.2462

Protanopia

33.0181, 0.2448, 0.2368

Deuteranopia

32.8983, 0.3053, 0.2987



Tritanopia

32.7602, 0.4746, 0.3225

Trichromacy



Original Color

32.7397, 0.4028, 0.2462



Protanomaly

30.3753, 0.2903, 0.2343



Deuteranomaly

31.0635, 0.3382, 0.2720



Tritanomaly

32.6920, 0.4494, 0.2942

Monochromacy



Original Color

32.7397, 0.4028, 0.2462



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.0940, 0.3446, 0.2873

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7397, 0.4028, 0.2462 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, 95, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 180)  
}
```

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, 95, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 180) }
```

Border

The CSS property to change the border of an element to Yxy 32.7397, 0.4028, 0.2462 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, 95, 180) }
```

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

```
.border{ border-color:rgb(255, 95, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 95, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 95, 180); box-shadow:4px 4px 4px 4px rgb(255, 95, 180) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.7397, 0.4028, 0.2462$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 180) }
```

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

```
.background{ background-color: rgb(255, 95,  
180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor