

Converting Colors

$Y_{xy}(32.9820, 0.3978, 0.2480)$

Have a look what the booklet for
Yxy(32.9820, 0.3978, 0.2480)
contains.

Yxy(32.9553, 0.3975, 0.2474)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.9553, 0.3975, 0.2474)

Conversions

Conversions Part 1

Format	Color
Hex	FC63B5
RGB	252, 99, 181
RGB Percent	99%, 39%, 71%
CMY	0.0118, 0.6118, 0.2901
CMYK	0.00, 0.61, 0.28, 0.01
HSL	328°, 96%, 69%
HSV	328°, 61%, 99%
XYZ	52.9496, 32.9553, 47.3016
YIQ	154.0950, 64.8660, 57.9380

Conversions

Conversions Part 2

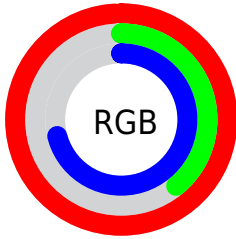
Format	Color
R _Y B	252, 99, 181
Decimal	16540597
CIE Lab	64.12, 66.05, -13.33
CIE LCh	64, 67.379, 348.592
Yxy	32.9553, 0.3975, 0.2474
Android (android.graphics.Color)	4294730677 (0xFFFC63B5)
YUV	154.0950, 13.2642, 85.8627
Hunter-Lab	57.4067, 64.1794, -8.6687

Details

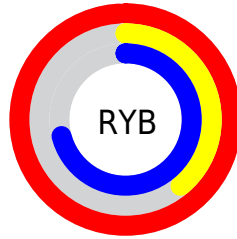
The Yxy color **32.9553, 0.3975, 0.2474** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **75.1752, 0.2738, 0.4360**, and the grayscale version is **32.2795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1514, 0.3322, 0.2484**, and **13.9670, 0.4236, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **28.4440, 0.4190, 0.2395**, and if you desaturate by 10%, it is **38.9992, 0.3778, 0.2586**.

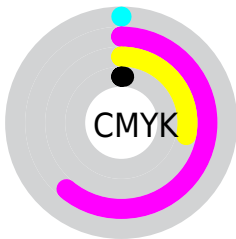
Distribution



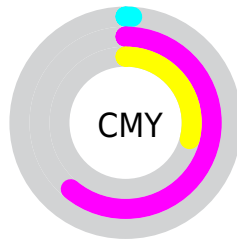
- Red (99%)
- Green (39%)
- Blue (71%)



- Red (99%)
- Yellow (39%)
- Blue (71%)



- Cyan (0%)
- Magenta (61%)
- Yellow (28%)
- Black (1%)





- Cyan (1%)
- Magenta (61%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9553, 0.3975, 0.2474 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 32.9553, 0.3975, 0.2474 by changing the saturation by 10% instead.


 32.9553, 0.3975,
0.2474


 32.9553, 0.3975,
0.2474


315.4483, 0.3543,
0.2878


 22.0922, 0.4085,
0.2376


 64.3057, 0.3816,
0.2619


 13.9247, 0.4227,
0.2251


 85.5619, 0.3757,
0.2674

 8.0683, 0.4417,
0.2088

 111.0511, 0.3707,
0.2721

 4.1387, 0.4684,
0.1867

 141.1579, 0.3665,
0.2761

 1.7514, 0.5080,
0.1557

176.2666, 0.3628,
0.2796

 0.4566, 0.5800,
0.0976

216.7617, 0.3596,

 0.0000, 0.8178,

0.2826

0.0000

263.0274, 0.3568,
0.2853

■ 0.0000, 0.0000,
0.0000

■ 32.9553, 0.3975,
0.2474

■ 32.9553, 0.3975,
0.2474

■ 28.4440, 0.4190,
0.2395

■ 38.9992, 0.3778,
0.2586

■ 25.3156, 0.4416,
0.2360

■ 46.6971, 0.3605,
0.2719

■ 23.3985, 0.4642,
0.2380

■ 56.1638, 0.3455,
0.2862

■ 22.4478, 0.4844,
0.2442

■ 67.5021, 0.3328,
0.3006

■ 80.8074, 0.3221,
0.3147

96.1681, 0.3133,
0.3281

99.4355, 0.3109,
0.3290

Harmonies

Analogous

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



32.9553, 0.2892, 0.2020



32.9553, 0.3975, 0.2474



32.9553, 0.4885, 0.3089

Triad

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



32.9553, 0.3975, 0.2474



32.9553, 0.4013, 0.5120



32.9553, 0.1426, 0.2272

Complementary

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



32.9553, 0.3975, 0.2474



75.1752, 0.2738, 0.4360

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.



32.9553, 0.1611, 0.3130



32.9553, 0.3975, 0.2474



32.9553, 0.3064, 0.5182

Square

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



32.9553, 0.3975, 0.2474



32.9553, 0.4797, 0.4505



32.9553, 0.2180, 0.4337



32.9553, 0.1576, 0.1865

Rectangle

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



32.9553, 0.3975, 0.2474



32.9553, 0.5156, 0.3544



32.9553, 0.2180, 0.4337



32.9553, 0.1449, 0.2504

Sweetspot

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



32.9570, 0.3975, 0.2474



72.8338, 0.3297, 0.3044



24.2609, 0.2427, 0.1544



14.7858, 0.3330, 0.3003



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.



32.9570, 0.3975, 0.2474



28.3493, 0.4242, 0.2382



30.6738, 0.4964, 0.3223



17.3808, 0.3210, 0.3164



11.7234, 0.4809, 0.2423



1.1072, 0.4565, 0.2288

Inverse Universe

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



32.9570, 0.3975, 0.2474



28.3493, 0.4242, 0.2382



78.8269, 0.2415, 0.3379



17.3808, 0.3210, 0.3164



11.7234, 0.4809, 0.2423



1.1072, 0.4565, 0.2288

Previews

White Background



This preview shows how the Yxy color 32.9553, 0.3975, 0.2474 looks on a white background.

Color Contrast Check

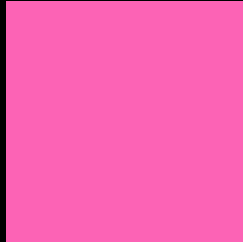
Large Text (above 18pt) WCAG AA × Fail

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 32.9553, 0.3975, 0.2474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

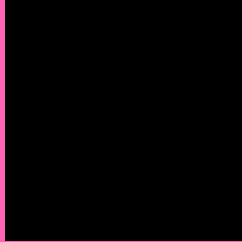
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9553, 0.3975, 0.2474

Background



This preview shows how black text looks on a background with the Yxy color 32.9553, 0.3975, 0.2474.



This preview shows how white text looks on a background with the Yxy color 32.9553, 0.3975, 0.2474.

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

32.9553, 0.3975, 0.2474

Protanopia

33.4599, 0.2471, 0.2397

Deuteranopia

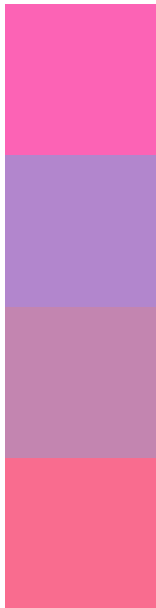
33.2601, 0.3043, 0.2988



Tritanopia

32.9649, 0.4650, 0.3212

Trichromacy



Original Color

32.9553, 0.3975, 0.2474

Protanomaly

30.9229, 0.2903, 0.2369

Deuteranomaly

31.5117, 0.3357, 0.2732

Tritanomaly

32.8480, 0.4411, 0.2934

Monochromacy



Original Color

32.9553, 0.3975, 0.2474

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

30.6777, 0.3431, 0.2887

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9553, 0.3975, 0.2474 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(252, 99, 181)` looks like.

```
.text, #text, p{  
    color:rgb(252, 99, 181)  
}
```

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(252, 99, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 99, 181) }
```

Border

The CSS property to change the border of an element to Yxy 32.9553, 0.3975, 0.2474 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(252, 99, 181) }
```

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

```
.border{ border-color:rgb(252, 99, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 99, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 99, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 99, 181);  
box-shadow:4px 4px 4px 4px rgb(252, 99,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9553, 0.3975, 0.2474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 99, 181) }
```

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

```
.background{ background-color: rgb(252, 99,  
181) }
```

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