

Converting Colors

$Y_{xy}(52.9820, 0.4727, 0.2674)$

Have a look what the booklet for
Yxy(52.9820, 0.4727, 0.2674)
contains.

Yxy(32.4595, 0.3958, 0.2382)	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(32.4595, 0.3958, 0.2382)

Conversions

Conversions Part 1

Format	Color
Hex	FF5CBA
RGB	255, 92, 186
RGB Percent	100%, 36%, 73%
CMY	0.0000, 0.6393, 0.2706
CMYK	0.00, 0.64, 0.27, 0.00
HSL	325°, 100%, 68%
HSV	325°, 64%, 100%
XYZ	53.9356, 32.4595, 49.8748
YIQ	151.4530, 66.9740, 63.7900

Conversions

Conversions Part 2

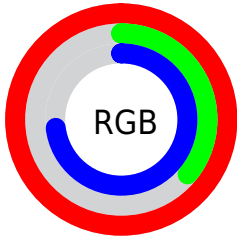
Format	Color
R _Y B	255, 92, 186
Decimal	16735418
CIE _{Lab}	63.72, 70.33, -16.72
CIE _{LCh}	64, 72.287, 346.625
Yxy	32.4595, 0.3958, 0.2382
Android (android.graphics.Color)	4294925498 (0xFFFF5CBA)
YUV	151.4530, 17.0317, 90.8107
Hunter-Lab	56.9732, 69.2799, -12.0216

Details

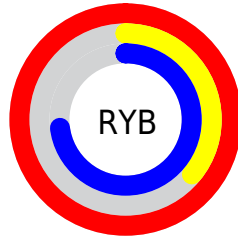
The Yxy color **32.4595, 0.3958, 0.2382** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **76.3675, 0.2758, 0.4520**, and the grayscale version is **31.0513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.8040, 0.3283, 0.2393**, and **13.6285, 0.4190, 0.2138** is the 20% darker color. If you saturate the color by 10%, you get **28.3167, 0.4153, 0.2307**, and if you desaturate by 10%, it is **38.1179, 0.3776, 0.2494**.

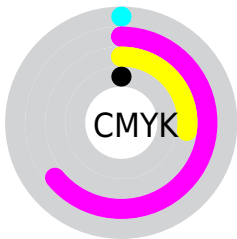
Distribution



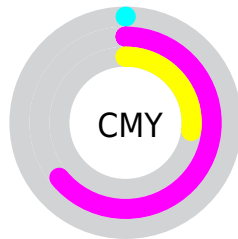
- Red (100%)
- Green (36%)
- Blue (73%)



- Red (100%)
- Yellow (36%)
- Blue (73%)



- Cyan (0%)
- Magenta (64%)
- Yellow (27%)
- Black (0%)




- Cyan (0%)
- Magenta (64%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4595, 0.3958, 0.2382 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 32.4595, 0.3958, 0.2382 by changing the saturation by 10% instead.

 32.4595, 0.3958,
0.2382


 32.4595, 0.3958,
0.2382


313.2071, 0.3538,
0.2826

 21.7127, 0.4063,
0.2275


 63.5307, 0.3805,
0.2541

 13.6460, 0.4199,
0.2141


 84.6240, 0.3747,
0.2601

 7.8748, 0.4379,
0.1967


 109.9349, 0.3699,
0.2653

 4.0150, 0.4629,
0.1734

 139.8477, 0.3657,
0.2697

 1.6819, 0.4994,
0.1414

174.7470, 0.3621,
0.2736

 0.4119, 0.5657,
0.0818

215.0171, 0.3590,

 0.0000, 0.7228,

0.2770

0.0000

261.0423, 0.3562,
0.2800

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 32.4595, 0.3958,
0.2382

■ 32.4595, 0.3958,
0.2382

■ 28.3167, 0.4153,
0.2307

■ 38.1179, 0.3776,
0.2494

■ 25.5401, 0.4355,
0.2281

■ 45.4346, 0.3613,
0.2631

■ 23.9358, 0.4554,
0.2308

■ 54.5271, 0.3470,
0.2781

■ 23.3684, 0.4671,
0.2347

■ 65.5045, 0.3347,
0.2935

 78.4667, 0.3244,
0.3088

 93.5068, 0.3157,
0.3235

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.



32.4595, 0.2800, 0.1922



32.4595, 0.3958, 0.2382



32.4595, 0.4972, 0.3015

Triad

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



32.4595, 0.3958, 0.2382



32.4595, 0.4105, 0.5203



32.4595, 0.1331, 0.2237

Complementary

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



32.4595, 0.3958, 0.2382



76.3675, 0.2758, 0.4520

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.



32.4595, 0.1540, 0.3183



32.4595, 0.3958, 0.2382



32.4595, 0.3103, 0.5372

Square

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



32.4595, 0.3958, 0.2382



32.4595, 0.4931, 0.4499



32.4595, 0.2158, 0.4513



32.4595, 0.1467, 0.1792

Rectangle

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



32.4595, 0.3958, 0.2382



32.4595, 0.5289, 0.3485



32.4595, 0.2158, 0.4513



32.4595, 0.1359, 0.2491

Sweetspot

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



32.4570, 0.3958, 0.2382



71.6367, 0.3294, 0.3011



22.3362, 0.2335, 0.1435



14.5585, 0.3324, 0.2967



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.



32.4570, 0.3958, 0.2382



27.3262, 0.4215, 0.2293



29.9437, 0.5048, 0.3173



18.1627, 0.3203, 0.3154



12.2410, 0.4641, 0.2330



1.2137, 0.4432, 0.2215

Inverse Universe

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



32.4570, 0.3958, 0.2382



27.3262, 0.4215, 0.2293



80.1704, 0.2415, 0.3451



18.1627, 0.3203, 0.3154



12.2410, 0.4641, 0.2330



1.2137, 0.4432, 0.2215

Previews

White Background



This preview shows how the Yxy color 32.4595, 0.3958, 0.2382 looks on a white background.

Color Contrast Check

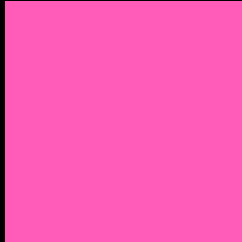
Large Text (above 18pt) WCAG AA × Fail

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 32.4595, 0.3958, 0.2382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

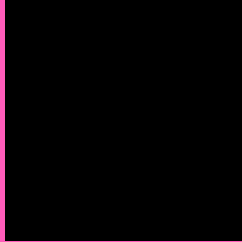
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.4595, 0.3958, 0.2382

Background



This preview shows how black text looks on a background with the Yxy color 32.4595, 0.3958, 0.2382.



This preview shows how white text looks on a background with the Yxy color 32.4595, 0.3958, 0.2382.

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

32.4595, 0.3958, 0.2382

Protanopia

32.7807, 0.2360, 0.2248

Deuteranopia

32.6785, 0.2970, 0.2914



Tritanopia

32.3380, 0.4756, 0.3225

Trichromacy



Original Color

32.4595, 0.3958, 0.2382



Protanomaly

29.8833, 0.2805, 0.2225



Deuteranomaly

30.7299, 0.3308, 0.2643



Tritanomaly

32.1328, 0.4480, 0.2911

Monochromacy



Original Color

32.4595, 0.3958, 0.2382



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.4644, 0.3428, 0.2831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4595, 0.3958, 0.2382 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, 92, 186)` looks like.

```
.text, #text, p{  
    color:rgb(255, 92, 186)  
}
```

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, 92, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 92, 186) }
```

Border

The CSS property to change the border of an element to Yxy 32.4595, 0.3958, 0.2382 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, 92, 186) }
```

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

```
.border{ border-color:rgb(255, 92, 186) }
```

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

Here you see how a box with a 4 pixel rgb(255, 92, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 92, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 92, 186);  
box-shadow:4px 4px 4px 4px rgb(255, 92,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4595, 0.3958, 0.2382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 92, 186) }
```

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

```
.background{ background-color: rgb(255, 92,  
186) }
```

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