

Converting Colors

$Y_{xy}(39.9973, 0.4298, 0.2489)$

Have a look what the booklet for
Yxy(39.9973, 0.4298, 0.2489)
contains.

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Color

Yxy(32.2032, 0.3936, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	FF5ABC
RGB	255, 90, 188
RGB Percent	100%, 35%, 74%
CMY	0.0000, 0.6472, 0.2626
CMYK	0.00, 0.65, 0.26, 0.00
HSL	324°, 100%, 68%
HSV	324°, 65%, 100%
XYZ	53.9829, 32.2032, 50.9655
YIQ	150.5070, 66.8820, 65.4580

Conversions

Conversions Part 2

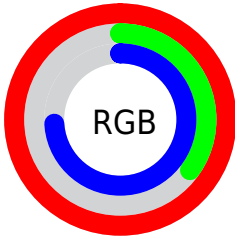
Format	Color
R _Y B	255, 90, 188
Decimal	16734908
CIE _{Lab}	63.51, 71.35, -18.20
CIE _{LCh}	64, 73.639, 345.691
Yxy	32.2032, 0.3936, 0.2348
Android (android.graphics.Color)	4294924988 (0xFFFF5ABC)
YUV	150.5070, 18.4840, 91.6404
Hunter-Lab	56.7479, 70.4940, -13.5251

Details

The Yxy color **32.2032, 0.3936, 0.2348** 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 **76.1246, 0.2769, 0.4577**, and the grayscale version is **30.6183, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.2865, 0.3267, 0.2357**, and **13.4815, 0.4158, 0.2095** is the 20% darker color. If you saturate the color by 10%, you get **28.1821, 0.4122, 0.2273**, and if you desaturate by 10%, it is **37.7244, 0.3762, 0.2461**.

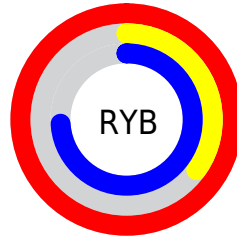
Distribution



Red (100%)

Green (35%)

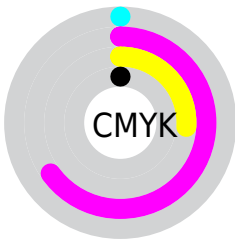
Blue (74%)



Red (100%)

Yellow (35%)

Blue (74%)

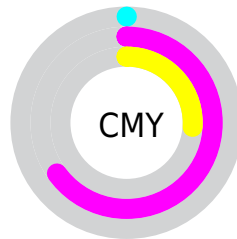


Cyan (0%)

Magenta (65%)

Yellow (26%)

Black (0%)



Cyan (0%)


Magenta (65%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.2032, 0.3936, 0.2348 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 32.2032, 0.3936, 0.2348 by changing the saturation by 10% instead.


 32.2032, 0.3936,
0.2348


 32.2032, 0.3936,
0.2348


312.0439, 0.3529,
0.2807

 21.5168, 0.4038,
0.2238


 63.1295, 0.3788,
0.2512


 13.5023, 0.4168,
0.2100


 84.1382, 0.3732,
0.2574

 7.7753, 0.4341,
0.1922


 109.3563, 0.3685,
0.2627

 3.9515, 0.4579,
0.1686

 139.1684, 0.3645,
0.2673

 1.6465, 0.4925,
0.1362

173.9588, 0.3610,
0.2713

 0.3886, 0.5556,
0.0756

214.1119, 0.3580,

 0.0000, 0.6875,

0.2748

0.0000

260.0121, 0.3553,
0.2779

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

32.2032, 0.3936,
0.2348

32.2032, 0.3936,
0.2348

28.1821, 0.4122,
0.2273

37.7244, 0.3762,
0.2461

25.5118, 0.4313,
0.2247

44.8918, 0.3605,
0.2600

23.9940, 0.4500,
0.2275

53.8232, 0.3466,
0.2754

23.5113, 0.4597,
0.2306

64.6283, 0.3348,
0.2912

 77.4077, 0.3247,
0.3070

 92.2547, 0.3162,
0.3221

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.



32.2032, 0.2759, 0.1890



32.2032, 0.3936, 0.2348



32.2032, 0.4986, 0.2985

Triad

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



32.2032, 0.3936, 0.2348



32.2032, 0.4143, 0.5217



32.2032, 0.1305, 0.2236

Complementary

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



32.2032, 0.3936, 0.2348



76.1246, 0.2769, 0.4577

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.



32.2032, 0.1525, 0.3216



32.2032, 0.3936, 0.2348



32.2032, 0.3128, 0.5430

Square

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



32.2032, 0.3936, 0.2348



32.2032, 0.4978, 0.4484



32.2032, 0.2162, 0.4583



32.2032, 0.1432, 0.1775

Rectangle

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



32.2032, 0.3936, 0.2348



32.2032, 0.5324, 0.3457



32.2032, 0.2162, 0.4583



32.2032, 0.1336, 0.2499

Sweetspot

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



32.2000, 0.3936, 0.2348



71.6857, 0.3288, 0.3003



21.5941, 0.2301, 0.1403



14.5703, 0.3317, 0.2958



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.



32.2000, 0.3936, 0.2348



27.1652, 0.4184, 0.2259



29.6183, 0.5049, 0.3147



18.1683, 0.3201, 0.3150



12.3156, 0.4568, 0.2290



1.2208, 0.4370, 0.2181

Inverse Universe

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



32.2000, 0.3936, 0.2348



27.1652, 0.4184, 0.2259



79.8946, 0.2421, 0.3487



18.1683, 0.3201, 0.3150



12.3156, 0.4568, 0.2290



1.2208, 0.4370, 0.2181

Previews

White Background



This preview shows how the Yxy color 32.2032, 0.3936, 0.2348 looks on a white background.

Color Contrast Check

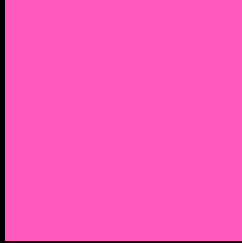
Large Text (above 18pt) WCAG AA × Fail

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 32.2032, 0.3936, 0.2348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

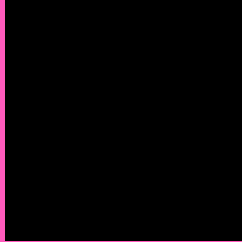
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2032, 0.3936, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 32.2032, 0.3936, 0.2348.



This preview shows how white text looks on a background with the Yxy color 32.2032, 0.3936, 0.2348.

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

32.2032, 0.3936, 0.2348

Protanopia

32.4520, 0.2317, 0.2187

Deuteranopia

32.2355, 0.2933, 0.2870



Tritanopia

32.1027, 0.4774, 0.3225

Trichromacy



Original Color

32.2032, 0.3936, 0.2348



Protanomaly

29.5945, 0.2754, 0.2167



Deuteranomaly

30.1532, 0.3279, 0.2591



Tritanomaly

31.7696, 0.4475, 0.2883

Monochromacy



Original Color

32.2032, 0.3936, 0.2348



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.8100, 0.3420, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2032, 0.3936, 0.2348 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, 90, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 188)  
}
```

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, 90, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 188) }
```

Border

The CSS property to change the border of an element to Yxy 32.2032, 0.3936, 0.2348 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, 90, 188) }
```

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

```
.border{ border-color:rgb(255, 90, 188) }
```

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

Here you see how a box with a 4 pixel rgb(255, 90, 188) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2032, 0.3936, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 188) }
```

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

```
.background{ background-color: rgb(255, 90,  
188) }
```

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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