

Converting Colors

$Y_{xy}(39.7509, 0.3661, 0.2449)$

Have a look what the booklet for
Yxy(39.7509, 0.3661, 0.2449)
contains.

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Color

Yxy(39.6353, 0.3665, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	FF7ACE
RGB	255, 122, 206
RGB Percent	100%, 48%, 81%
CMY	0.0000, 0.5215, 0.1920
CMYK	0.00, 0.52, 0.19, 0.00
HSL	322°, 100%, 74%
HSV	322°, 52%, 100%
XYZ	59.3396, 39.6353, 62.9340
YIQ	171.3430, 52.3040, 54.3200

Conversions

Conversions Part 2

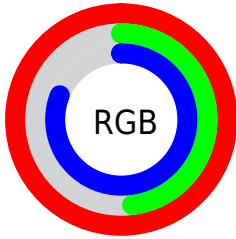
Format	Color
RYB	255, 122, 206
Decimal	16743118
CIELab	69.21, 60.06, -19.69
CIELCh	69, 63.203, 341.851
Yxy	39.6353, 0.3665, 0.2448
Android (android.graphics.Color)	4294933198 (0xFFFF7ACE)
YUV	171.3430, 17.0859, 73.3672
Hunter-Lab	62.9566, 58.0709, -15.1991

Details

The Yxy color **39.6353, 0.3665, 0.2448** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.5901, 0.2830, 0.4349**, and the grayscale version is **40.8013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3208, 0.3163, 0.2536**, and **17.7655, 0.3792, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **33.7321, 0.3816, 0.2319**, and if you desaturate by 10%, it is **47.2119, 0.3528, 0.2600**.

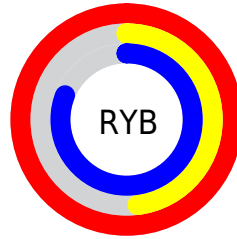
Distribution



Red (100%)

Green (48%)

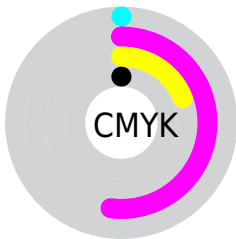
Blue (81%)



Red (100%)

Yellow (48%)

Blue (81%)

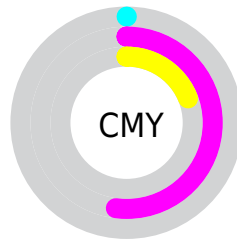


Cyan (0%)

Magenta (52%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (52%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.6353, 0.3665, 0.2448 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 39.6353, 0.3665, 0.2448 by changing the saturation by 10% instead.

 39.6353, 0.3665,
0.2448


 39.6353, 0.3665,
0.2448


344.5840, 0.3405,
0.2848


 27.2543, 0.3727,
0.2355


 74.6078, 0.3573,
0.2588

 17.7643, 0.3805,
0.2239


 97.9682, 0.3537,
0.2642

 10.7809, 0.3905,
0.2092


 125.7571, 0.3507,
0.2689

 5.9197, 0.4040,
0.1898

158.3590, 0.3481,
0.2729

 2.7963, 0.4228,
0.1636

196.1582, 0.3459,
0.2764

 1.0263, 0.4505,
0.1266

239.5392, 0.3439,

 0.0000, 0.5337,

0.2795

0.0000

288.8863, 0.3421,
0.2823

■ 0.0000, 0.8139,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.6353, 0.3665,
0.2448

■ 39.6353, 0.3665,
0.2448

■ 33.7321, 0.3816,
0.2319

■ 47.2119, 0.3528,
0.2600

■ 29.3647, 0.3979,
0.2226

■ 56.5739, 0.3408,
0.2764

■ 26.3830, 0.4147,
0.2179

■ 67.8300, 0.3304,
0.2932

■ 24.6037, 0.4313,
0.2184

■ 81.0787, 0.3216,
0.3098

■ 23.8349, 0.4441,
0.2220

■ 96.4117, 0.3141,
0.3257

99.9978, 0.3127,
0.3290

Harmonies

Analogous

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



39.6353, 0.2730, 0.2073



39.6353, 0.3665, 0.2448



39.6353, 0.4538, 0.2993

Triad

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



39.6353, 0.3665, 0.2448



39.6353, 0.4133, 0.4844



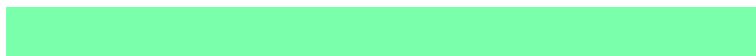
39.6353, 0.1594, 0.2531

Complementary

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



39.6353, 0.3665, 0.2448



78.5901, 0.2830, 0.4349

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.



39.6353, 0.1853, 0.3390



39.6353, 0.3665, 0.2448



39.6353, 0.3295, 0.4998

Square

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



39.6353, 0.3665, 0.2448



39.6353, 0.4757, 0.4280



39.6353, 0.2458, 0.4418



39.6353, 0.1661, 0.2062

Rectangle

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



39.6353, 0.3665, 0.2448



39.6353, 0.4878, 0.3408



39.6353, 0.2458, 0.4418



39.6353, 0.1642, 0.2775

Sweetspot

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



39.6372, 0.3665, 0.2448



75.7444, 0.3248, 0.3035



29.7730, 0.2461, 0.1755



15.6277, 0.3266, 0.3001



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.



39.6372, 0.3665, 0.2448



33.3066, 0.3830, 0.2310



37.0654, 0.4444, 0.3113



18.1802, 0.3195, 0.3141



12.4853, 0.4415, 0.2206



1.2367, 0.4240, 0.2109

Inverse Universe

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



39.6372, 0.3665, 0.2448



33.3066, 0.3830, 0.2310



81.7805, 0.2527, 0.3497



18.1802, 0.3195, 0.3141



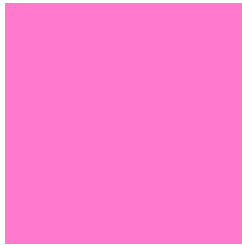
12.4853, 0.4415, 0.2206



1.2367, 0.4240, 0.2109

Previews

White Background



This preview shows how the Yxy color 39.6353, 0.3665, 0.2448 looks on a white background.

Color Contrast Check

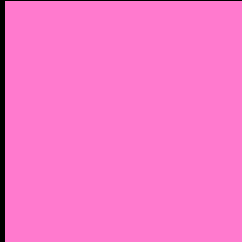
Large Text (above 18pt) WCAG AA × Fail

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 39.6353, 0.3665, 0.2448 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 39.6353, 0.3665, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 39.6353, 0.3665, 0.2448.

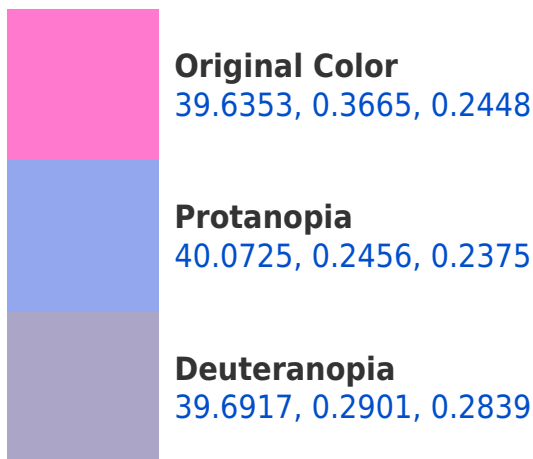


This preview shows how white text looks on a background with the Yxy color 39.6353, 0.3665, 0.2448.

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





Tritanopia

39.5120, 0.4262, 0.3187

Trichromacy



Original Color

39.6353, 0.3665, 0.2448



Protanomaly

38.1184, 0.2807, 0.2368



Deuteranomaly

38.3157, 0.3157, 0.2644



Tritanomaly

39.2645, 0.4047, 0.2903

Monochromacy



Original Color

39.6353, 0.3665, 0.2448



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

38.7997, 0.3321, 0.2902

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.6353, 0.3665, 0.2448 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, 122, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 206)  
}
```

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, 122, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 206) }
```

Border

The CSS property to change the border of an element to Yxy 39.6353, 0.3665, 0.2448 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, 122, 206) }
```

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

```
.border{ border-color:rgb(255, 122, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 39.6353, 0.3665, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 206) }
```

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

```
.background{ background-color: rgb(255,  
122, 206) }
```

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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