

Converting Colors

$Y_{xy}(40.0072, 0.4092, 0.2915)$

Have a look what the booklet for
Yxy(40.0072, 0.4092, 0.2915)
contains.

Yxy(39.9784, 0.4098, 0.2920)	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(39.9784, 0.4098, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	FF82A6
RGB	255, 130, 166
RGB Percent	100%, 51%, 65%
CMY	0.0000, 0.4902, 0.3491
CMYK	0.00, 0.49, 0.35, 0.00
HSL	343°, 100%, 75%
HSV	343°, 49%, 100%
XYZ	56.1067, 39.9784, 40.8273
YIQ	171.4790, 62.9440, 37.6960

Conversions

Conversions Part 2

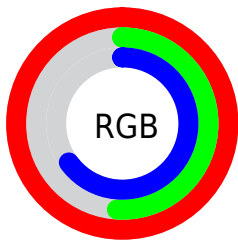
Format	Color
R_{YB}	255, 130, 166
Decimal	16745126
CIE Lab	69.45, 51.10, 3.11
CIE LCh	69, 51.190, 3.488
Yxy	39.9784, 0.4098, 0.2920
Android (android.graphics.Color)	4294935206 (0xFFFF82A6)
YUV	171.4790, -2.7011, 73.2479
Hunter-Lab	63.2285, 47.7446, 5.9758

Details

The Yxy color **39.9784, 0.4098, 0.2920** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.3816, 0.2639, 0.3719**, and the grayscale version is **40.9675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5983, 0.3422, 0.2934**, and **17.9859, 0.4393, 0.2809** is the 20% darker color. If you saturate the color by 10%, you get **33.3948, 0.4422, 0.2863**, and if you desaturate by 10%, it is **48.3373, 0.3820, 0.2992**.

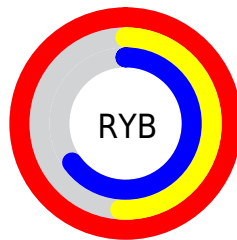
Distribution



Red (100%)

Green (51%)

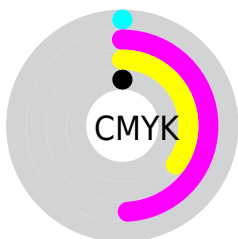
Blue (65%)



Red (100%)

Yellow (51%)

Blue (65%)

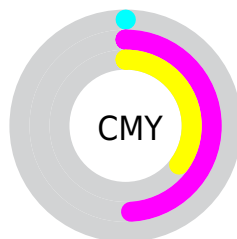


Cyan (0%)

Magenta (49%)

Yellow (35%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9784, 0.4098, 0.2920 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 39.9784, 0.4098, 0.2920 by changing the saturation by 10% instead.


 39.9784, 0.4098,
0.2920


 39.9784, 0.4098,
0.2920


346.0325, 0.3600,
0.3113


 27.5217, 0.4225,
0.2869


 75.1306, 0.3915,
0.2992

 17.9654, 0.4390,
0.2803


 98.5949, 0.3847,
0.3019

 10.9252, 0.4612,
0.2713


 126.4972, 0.3789,
0.3041

 6.0165, 0.4923,
0.2585

159.2219, 0.3740,
0.3060

 2.8551, 0.5391,
0.2387

197.1534, 0.3698,
0.3076

 1.0566, 0.6151,
0.2055

240.6761, 0.3661,


 0.0000, 1.0000,

0.3090


0.0000


290.1743, 0.3629,
0.3102


 0.0000, 0.0000,
0.0000

 39.9784, 0.4098,
0.2920

 39.9784, 0.4098,
0.2920

 33.3948, 0.4422,
0.2863

 48.3373, 0.3820,
0.2992


 28.4551, 0.4782,
0.2833


 58.5878, 0.3588,
0.3070

 25.0112, 0.5159,
0.2840

 70.8373, 0.3397,
0.3149

 22.8871, 0.5519,
0.2894

 85.1849, 0.3242,
0.3225

 21.8249, 0.5826,
0.2989

100.0000, 0.3127,
0.3290

■ 21.7464, 0.5853,
0.2998

Harmonies

Analogous

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



39.9784, 0.3353, 0.2482



39.9784, 0.4098, 0.2920



39.9784, 0.4561, 0.3453

Triad

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



39.9784, 0.4098, 0.2920



39.9784, 0.3499, 0.4677



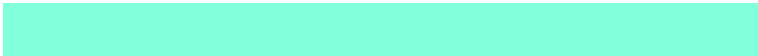
39.9784, 0.1851, 0.2360

Complementary

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



39.9784, 0.4098, 0.2920



81.3816, 0.2639, 0.3719

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.



39.9784, 0.1877, 0.2858



39.9784, 0.4098, 0.2920



39.9784, 0.2781, 0.4358

Square

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



39.9784, 0.4098, 0.2920



39.9784, 0.4155, 0.4484



39.9784, 0.2195, 0.3615



39.9784, 0.2103, 0.2158

Rectangle

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



39.9784, 0.4098, 0.2920



39.9784, 0.4615, 0.3826



39.9784, 0.2195, 0.3615



39.9784, 0.1828, 0.2492

Sweetspot

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



39.9787, 0.4098, 0.2920



76.3450, 0.3331, 0.3180



38.0148, 0.2856, 0.1981



15.7134, 0.3365, 0.3164



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.



39.9787, 0.4098, 0.2920



33.4053, 0.4421, 0.2863



46.3154, 0.4372, 0.3553



18.0731, 0.3249, 0.3222



11.3851, 0.5811, 0.2975



1.1265, 0.5491, 0.2799

Inverse Universe

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



39.9787, 0.4098, 0.2920



33.4053, 0.4421, 0.2863



68.5601, 0.2426, 0.2994



18.0731, 0.3249, 0.3222



11.3851, 0.5811, 0.2975



1.1265, 0.5491, 0.2799

Previews

White Background



This preview shows how the Yxy color 39.9784, 0.4098, 0.2920 looks on a white background.

Color Contrast Check

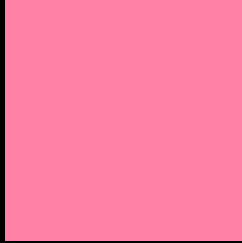
Large Text (above 18pt) WCAG AA × Fail

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 39.9784, 0.4098, 0.2920 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 39.9784, 0.4098, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 39.9784, 0.4098, 0.2920.



This preview shows how white text looks on a background with the Yxy color 39.9784, 0.4098, 0.2920.

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

39.9784, 0.4098, 0.2920

Protanopia

40.3749, 0.2955, 0.3019

Deuteranopia

40.0361, 0.3412, 0.3344



Tritanopia

39.9465, 0.4316, 0.3189

Trichromacy



Original Color

39.9784, 0.4098, 0.2920



Protanomaly

39.0582, 0.3327, 0.2962



Deuteranomaly

39.3612, 0.3661, 0.3169



Tritanomaly

40.1129, 0.4238, 0.3095

Monochromacy



Original Color

39.9784, 0.4098, 0.2920



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

39.1981, 0.3461, 0.3125

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9784, 0.4098, 0.2920 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, 130, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 166)  
}
```

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, 130, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 166) }
```

Border

The CSS property to change the border of an element to Yxy 39.9784, 0.4098, 0.2920 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, 130, 166) }
```

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

```
.border{ border-color:rgb(255, 130, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 130, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 39.9784, 0.4098, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 130, 166) }
```

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

```
.background{ background-color: rgb(255,  
130, 166) }
```

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