

Converting Colors

$Y_{xy}(45.8169, 0.4294, 0.2946)$

Have a look what the booklet for
Yxy(45.8169, 0.4294, 0.2946)
contains.

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Color

Yxy(40.6271, 0.4056, 0.2909)

Conversions

Conversions Part 1

Format	Color
Hex	FF84A9
RGB	255, 132, 169
RGB Percent	100%, 52%, 66%
CMY	0.0001, 0.4823, 0.3373
CMYK	0.00, 0.48, 0.34, 0.00
HSL	342°, 100%, 76%
HSV	342°, 48%, 100%
XYZ	56.6461, 40.6271, 42.3868
YIQ	172.9950, 61.4310, 37.5830

Conversions

Conversions Part 2

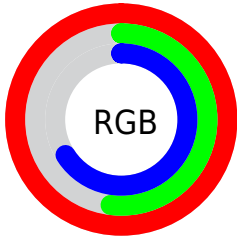
Format	Color
R _Y B	255, 132, 169
Decimal	16745641
CIE Lab	69.91, 50.45, 2.09
CIE LCh	70, 50.497, 2.376
Yxy	40.6271, 0.4056, 0.2909
Android (android.graphics.Color)	4294935721 (0xFFFF84A9)
YUV	172.9950, -1.9695, 71.9184
Hunter-Lab	63.7394, 47.0916, 5.1896

Details

The Yxy color **40.6271, 0.4056, 0.2909** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.4767, 0.2652, 0.3730**, and the grayscale version is **41.7759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6083, 0.3395, 0.2925**, and **18.3352, 0.4332, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **33.9123, 0.4369, 0.2847**, and if you desaturate by 10%, it is **49.1270, 0.3787, 0.2985**.

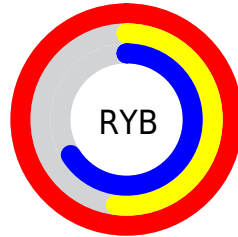
Distribution



Red (100%)

Green (52%)

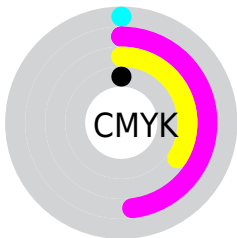
Blue (66%)



Red (100%)

Yellow (52%)

Blue (66%)

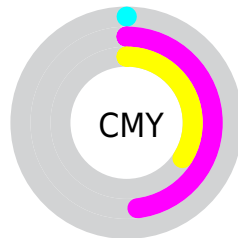


Cyan (0%)

Magenta (48%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (48%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.6271, 0.4056, 0.2909 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 40.6271, 0.4056, 0.2909 by changing the saturation by 10% instead.

 40.6271, 0.4056,
0.2909

 40.6271, 0.4056,
0.2909


348.7597, 0.3582,
0.3106


 28.0278, 0.4177,
0.2858


 76.1175, 0.3882,
0.2982

 18.3466, 0.4333,
0.2792


 99.7774, 0.3817,
0.3009

 11.1991, 0.4543,
0.2702


 127.8930, 0.3762,
0.3032

 6.2009, 0.4837,
0.2575

160.8486, 0.3715,
0.3051

 2.9676, 0.5278,
0.2382

199.0287, 0.3675,
0.3068

 1.1149, 0.5995,
0.2062

242.8177, 0.3640,

 0.0000, 1.0000,

0.3082

0.0000

292.5998, 0.3609,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 40.6271, 0.4056,
0.2909

■ 40.6271, 0.4056,
0.2909

■ 33.9123, 0.4369,
0.2847

■ 49.1270, 0.3787,
0.2985

■ 28.8475, 0.4720,
0.2812

■ 59.5221, 0.3563,
0.3067

■ 25.2882, 0.5090,
0.2814

■ 71.9205, 0.3379,
0.3150

■ 23.0617, 0.5448,
0.2863

■ 86.4205, 0.3229,
0.3229

■ 21.9311, 0.5758,
0.2956

■ 99.9960, 0.3127,
0.3290

■ 21.7870, 0.5809,
0.2974

Harmonies

Analogous

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



40.6271, 0.3321, 0.2482



40.6271, 0.4056, 0.2909



40.6271, 0.4525, 0.3433

Triad

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



40.6271, 0.4056, 0.2909



40.6271, 0.3521, 0.4651



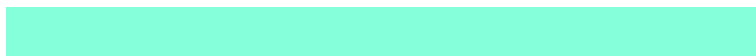
40.6271, 0.1867, 0.2390

Complementary

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



40.6271, 0.4056, 0.2909



81.4767, 0.2652, 0.3730

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.



40.6271, 0.1904, 0.2891



40.6271, 0.4056, 0.2909



40.6271, 0.2814, 0.4356

Square

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



40.6271, 0.4056, 0.2909



40.6271, 0.4159, 0.4451



40.6271, 0.2229, 0.3639



40.6271, 0.2106, 0.2179

Rectangle

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



40.6271, 0.4056, 0.2909



40.6271, 0.4591, 0.3800



40.6271, 0.2229, 0.3639



40.6271, 0.1848, 0.2524

Sweetspot

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



40.6291, 0.4056, 0.2909



77.7947, 0.3312, 0.3183



38.3331, 0.2844, 0.1996



16.0000, 0.3346, 0.3166



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.



40.6291, 0.4056, 0.2909



34.0490, 0.4362, 0.2849



46.2209, 0.4354, 0.3528



18.0770, 0.3247, 0.3219



11.4092, 0.5766, 0.2950



1.1292, 0.5446, 0.2774

Inverse Universe

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



40.6291, 0.4056, 0.2909



34.0490, 0.4362, 0.2849



70.0858, 0.2440, 0.3024



18.0770, 0.3247, 0.3219



11.4092, 0.5766, 0.2950



1.1292, 0.5446, 0.2774

Previews

White Background



This preview shows how the Yxy color 40.6271, 0.4056, 0.2909 looks on a white background.

Color Contrast Check

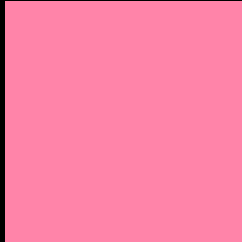
Large Text (above 18pt) WCAG AA × Fail

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 40.6271, 0.4056, 0.2909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

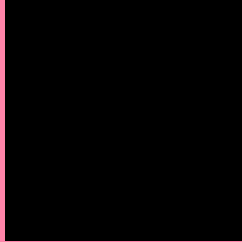
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6271, 0.4056, 0.2909

Background



This preview shows how black text looks on a background with the Yxy color 40.6271, 0.4056, 0.2909.



This preview shows how white text looks on a background with the Yxy color 40.6271, 0.4056, 0.2909.

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

40.6271, 0.4056, 0.2909

Protanopia

40.8801, 0.2932, 0.2993

Deuteranopia

40.6310, 0.3392, 0.3317



Tritanopia

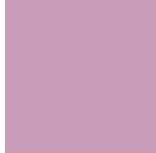
40.5663, 0.4284, 0.3189

Trichromacy



Original Color

40.6271, 0.4056, 0.2909



Protanomaly

39.5170, 0.3298, 0.2938



Deuteranomaly

39.7952, 0.3628, 0.3144



Tritanomaly

40.7319, 0.4207, 0.3095

Monochromacy



Original Color

40.6271, 0.4056, 0.2909



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.1288, 0.3438, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6271, 0.4056, 0.2909 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, 132, 169)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 169)  
}
```

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, 132, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 169) }
```

Border

The CSS property to change the border of an element to Yxy 40.6271, 0.4056, 0.2909 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, 132, 169) }
```

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

```
.border{ border-color:rgb(255, 132, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 169);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6271, 0.4056, 0.2909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 169) }
```

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

```
.background{ background-color: rgb(255,  
132, 169) }
```

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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