

Converting Colors

$Y_{xy}(40.0678, 0.4079, 0.2905)$

Have a look what the booklet for
Yxy(40.0678, 0.4079, 0.2905)
contains.

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Color

Yxy(40.0524, 0.4075, 0.2899)

Conversions

Conversions Part 1

Format	Color
Hex	FF82A8
RGB	255, 130, 168
RGB Percent	100%, 51%, 66%
CMY	0.0000, 0.4903, 0.3412
CMYK	0.00, 0.49, 0.34, 0.00
HSL	342°, 100%, 75%
HSV	342°, 49%, 100%
XYZ	56.2999, 40.0524, 41.8070
YIQ	171.7070, 62.3020, 38.3180

Conversions

Conversions Part 2

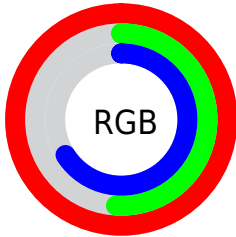
Format	Color
R _Y B	255, 130, 168
Decimal	16745128
CIE Lab	69.51, 51.35, 2.06
CIE LCh	70, 51.391, 2.298
Yxy	40.0524, 0.4075, 0.2899
Android (android.graphics.Color)	4294935208 (0xFFFF82A8)
YUV	171.7070, -1.8276, 73.0480
Hunter-Lab	63.2870, 48.0410, 5.1342

Details

The Yxy color **40.0524, 0.4075, 0.2899** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.2735, 0.2648, 0.3744**, and the grayscale version is **41.0784, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.7055, 0.3406, 0.2914**, and **18.0319, 0.4359, 0.2783** is the 20% darker color. If you saturate the color by 10%, you get **33.4681, 0.4390, 0.2838**, and if you desaturate by 10%, it is **48.3978, 0.3804, 0.2975**.

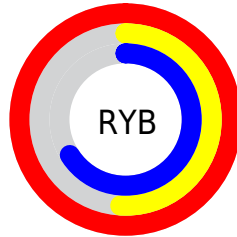
Distribution



Red (100%)

Green (51%)

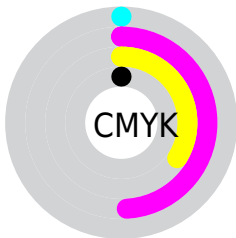
Blue (66%)



Red (100%)

Yellow (51%)

Blue (66%)

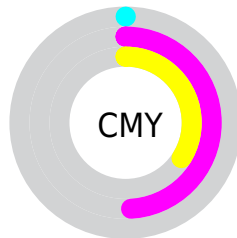


Cyan (0%)

Magenta (49%)

Yellow (34%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0524, 0.4075, 0.2899 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 40.0524, 0.4075, 0.2899 by changing the saturation by 10% instead.


 40.0524, 0.4075,
0.2899


 40.0524, 0.4075,
0.2899


346.3444, 0.3590,
0.3102

 27.5794, 0.4199,
0.2847


 75.2433, 0.3896,
0.2974

 18.0088, 0.4359,
0.2778


 98.7300, 0.3830,
0.3002

 10.9563, 0.4575,
0.2686


 126.6567, 0.3774,
0.3025

 6.0375, 0.4878,
0.2554

159.4078, 0.3727,
0.3045

 2.8679, 0.5331,
0.2355

197.3678, 0.3685,
0.3062

 1.0632, 0.6070,
0.2023

240.9209, 0.3649,

 0.0000, 1.0000,

0.3077

0.0000

290.4516, 0.3618,
0.3090

■ 0.0000, 0.0000,
0.0000

■ 40.0524, 0.4075,
0.2899

■ 40.0524, 0.4075,
0.2899

■ 33.4681, 0.4390,
0.2838

■ 48.3978, 0.3804,
0.2975

■ 28.5292, 0.4741,
0.2804

■ 58.6357, 0.3578,
0.3058

■ 25.0826, 0.5109,
0.2809

■ 70.8683, 0.3391,
0.3141

■ 22.9529, 0.5463,
0.2862

■ 85.1942, 0.3240,
0.3222

■ 21.8823, 0.5769,
0.2957

100.0000, 0.3127,
0.3290

■ 21.8034, 0.5797,
0.2967

Harmonies

Analogous

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



40.0524, 0.3323, 0.2465



40.0524, 0.4075, 0.2899



40.0524, 0.4556, 0.3431

Triad

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



40.0524, 0.4075, 0.2899



40.0524, 0.3528, 0.4683



40.0524, 0.1843, 0.2371

Complementary

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



40.0524, 0.4075, 0.2899



81.2735, 0.2648, 0.3744

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.



40.0524, 0.1880, 0.2882



40.0524, 0.4075, 0.2899



40.0524, 0.2807, 0.4384

Square

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



40.0524, 0.4075, 0.2899



40.0524, 0.4180, 0.4472



40.0524, 0.2211, 0.3648



40.0524, 0.2085, 0.2157

Rectangle

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



40.0524, 0.4075, 0.2899



40.0524, 0.4622, 0.3804



40.0524, 0.2211, 0.3648



40.0524, 0.1824, 0.2507

Sweetspot

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



40.0476, 0.4075, 0.2899



76.3795, 0.3327, 0.3174



37.6900, 0.2838, 0.1974



15.7216, 0.3360, 0.3157



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.



40.0476, 0.4075, 0.2899



33.4833, 0.4389, 0.2838



45.6217, 0.4384, 0.3531



18.0780, 0.3246, 0.3218



11.4159, 0.5754, 0.2944



1.1300, 0.5434, 0.2767

Inverse Universe

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



40.0476, 0.4075, 0.2899



33.4833, 0.4389, 0.2838



69.7228, 0.2430, 0.3019



18.0780, 0.3246, 0.3218



11.4159, 0.5754, 0.2944



1.1300, 0.5434, 0.2767

Previews

White Background



This preview shows how the Yxy color 40.0524, 0.4075, 0.2899 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 40.0524, 0.4075, 0.2899 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 40.0524, 0.4075, 0.2899

Background



This preview shows how black text looks on a background with the Yxy color 40.0524, 0.4075, 0.2899.



This preview shows how white text looks on a background with the Yxy color 40.0524, 0.4075, 0.2899.

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

40.0524, 0.4075, 0.2899

Protanopia

40.3530, 0.2931, 0.2992

Deuteranopia

39.9784, 0.3384, 0.3317



Tritanopia

39.9465, 0.4316, 0.3189

Trichromacy



Original Color

40.0524, 0.4075, 0.2899



Protanomaly

39.0037, 0.3299, 0.2936



Deuteranomaly

39.2829, 0.3631, 0.3143



Tritanomaly

40.1458, 0.4227, 0.3085

Monochromacy



Original Color

40.0524, 0.4075, 0.2899



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

39.6108, 0.3439, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0524, 0.4075, 0.2899 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, 168)` looks like.

```
.text, #text, p{  
    color:rgb(255, 130, 168)  
}
```

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, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 130, 168) }
```

Border

The CSS property to change the border of an element to Yxy 40.0524, 0.4075, 0.2899 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, 168) }
```

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

```
.border{ border-color:rgb(255, 130, 168) }
```

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, 168) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 130, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 130, 168);  
box-shadow:4px 4px 4px 4px rgb(255, 130,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0524, 0.4075, 0.2899 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, 168) }
```

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

```
.background{ background-color: rgb(255,  
130, 168) }
```

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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