

Converting Colors

$Y_{xy}(40.7494, 0.4608, 0.2611)$

Have a look what the booklet for
Yxy(40.7494, 0.4608, 0.2611)
contains.

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Color

Yxy(30.4636, 0.4149, 0.2437)

Conversions

Conversions Part 1

Format	Color
Hex	FF53AD
RGB	255, 83, 173
RGB Percent	100%, 33%, 68%
CMY	0.0002, 0.6743, 0.3216
CMYK	0.00, 0.67, 0.32, 0.00
HSL	329°, 100%, 66%
HSV	329°, 67%, 100%
XYZ	51.8644, 30.4636, 42.6765
YIQ	144.6880, 73.6220, 64.4540

Conversions

Conversions Part 2

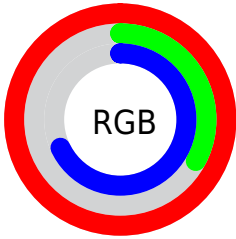
Format	Color
R_{YB}	255, 83, 173
Decimal	16733101
CIE _{Lab}	62.05, 72.15, -11.79
CIE _{LCh}	62, 73.109, 350.717
Yxy	30.4636, 0.4149, 0.2437
Android (android.graphics.Color)	4294923181 (0xFFFF53AD)
YUV	144.6880, 13.9578, 96.7436
Hunter-Lab	55.1938, 71.1431, -7.2081

Details

The Yxy color **30.4636, 0.4149, 0.2437** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **76.0542, 0.2712, 0.4473**, and the grayscale version is **28.1117, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5064, 0.3415, 0.2441**, and **12.8498, 0.4449, 0.2225** is the 20% darker color. If you saturate the color by 10%, you get **26.8023, 0.4381, 0.2390**, and if you desaturate by 10%, it is **35.6047, 0.3932, 0.2526**.

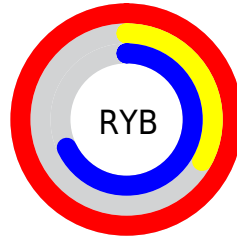
Distribution



Red (100%)

Green (33%)

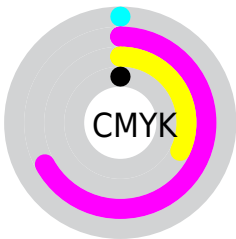
Blue (68%)



Red (100%)

Yellow (33%)

Blue (68%)

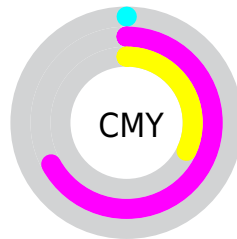


Cyan (0%)

Magenta (67%)

Yellow (32%)

Black (0%)



Cyan (0%)


Magenta (67%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4636, 0.4149, 0.2437 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 30.4636, 0.4149, 0.2437 by changing the saturation by 10% instead.


 30.4636, 0.4149,
0.2437


 30.4636, 0.4149,
0.2437


304.0595, 0.3620,
0.2865


 20.1907, 0.4286,
0.2331


 60.3946, 0.3953,
0.2592


 12.5338, 0.4464,
0.2196

 80.8215, 0.3880,
0.2650

 7.1083, 0.4704,
0.2019


 105.4018, 0.3820,
0.2700

 3.5299, 0.5044,
0.1778

 134.5200, 0.3768,
0.2742

 1.4142, 0.5556,
0.1436

168.5605, 0.3723,
0.2779

 0.2272, 0.6631,
0.0587

207.9077, 0.3684,

 0.0000, 1.0000,

0.2811

0.0000

252.9458, 0.3650,
0.2839

■ 0.0000, 0.0000,
0.0000

■ 30.4636, 0.4149,
0.2437

■ 30.4636, 0.4149,
0.2437

■ 26.8023, 0.4381,
0.2390

■ 35.6047, 0.3932,
0.2526

■ 24.4488, 0.4616,
0.2394

■ 42.3628, 0.3736,
0.2643


■ 23.1875, 0.4843,
0.2453

■ 50.8648, 0.3565,
0.2777

■ 22.9565, 0.4901,
0.2474

■ 61.2233, 0.3418,
0.2918

■ 73.5416, 0.3295,
0.3058

 87.9153, 0.3192,
0.3194

99.9925, 0.3127,
0.3290

Harmonies

Analogous

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



30.4636, 0.2937, 0.1939



30.4636, 0.4149, 0.2437



30.4636, 0.5127, 0.3096

Triad

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



30.4636, 0.4149, 0.2437



30.4636, 0.3983, 0.5327



30.4636, 0.1289, 0.2114

Complementary

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



30.4636, 0.4149, 0.2437



76.0542, 0.2712, 0.4473

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.



30.4636, 0.1445, 0.3007



30.4636, 0.4149, 0.2437



30.4636, 0.2950, 0.5392

Square

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



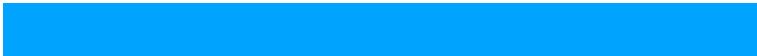
30.4636, 0.4149, 0.2437



30.4636, 0.4874, 0.4624



30.4636, 0.2014, 0.4371



30.4636, 0.1472, 0.1724

Rectangle

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



30.4636, 0.4149, 0.2437



30.4636, 0.5373, 0.3578



30.4636, 0.2014, 0.4371



30.4636, 0.1301, 0.2348

Sweetspot

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



30.4652, 0.4149, 0.2437



70.1972, 0.3324, 0.3022



21.2297, 0.2353, 0.1376



14.2716, 0.3358, 0.2983



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.



30.4652, 0.4149, 0.2437



25.8284, 0.4465, 0.2385



28.1662, 0.5320, 0.3249



18.1458, 0.3212, 0.3166



12.0299, 0.4866, 0.2454



1.1934, 0.4625, 0.2321

Inverse Universe

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



30.4652, 0.4149, 0.2437



25.8284, 0.4465, 0.2385



80.1904, 0.2363, 0.3356



18.1458, 0.3212, 0.3166



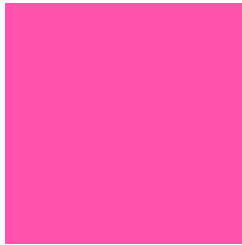
12.0299, 0.4866, 0.2454



1.1934, 0.4625, 0.2321

Previews

White Background



This preview shows how the Yxy color 30.4636, 0.4149, 0.2437 looks on a white background.

Color Contrast Check

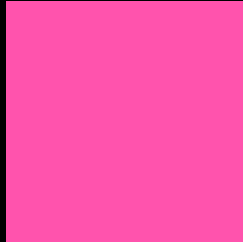
Large Text (above 18pt) WCAG AA × Fail

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 30.4636, 0.4149, 0.2437 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 30.4636, 0.4149, 0.2437

Background



This preview shows how black text looks on a background with the Yxy color 30.4636, 0.4149, 0.2437.



This preview shows how white text looks on a background with the Yxy color 30.4636, 0.4149, 0.2437.

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

30.4636, 0.4149, 0.2437

Protanopia

30.8310, 0.2407, 0.2308

Deuteranopia

30.5072, 0.3078, 0.3022



Tritanopia

30.4789, 0.4949, 0.3238

Trichromacy



Original Color

30.4636, 0.4149, 0.2437



Protanomaly

27.6782, 0.2887, 0.2262



Deuteranomaly

28.2934, 0.3451, 0.2708



Tritanomaly

30.3126, 0.4681, 0.2945

Monochromacy



Original Color

30.4636, 0.4149, 0.2437



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5999, 0.3502, 0.2833

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4636, 0.4149, 0.2437 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, 83, 173)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 173)  
}
```

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, 83, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 173) }
```

Border

The CSS property to change the border of an element to Yxy 30.4636, 0.4149, 0.2437 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, 83, 173) }
```

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

```
.border{ border-color:rgb(255, 83, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 83, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 173);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4636, 0.4149, 0.2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 173) }
```

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

```
.background{ background-color: rgb(255, 83,  
173) }
```

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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