

Converting Colors

Yxy(33.1161, 0.4412, 0.2769)

Have a look what the booklet for
Yxy(33.1161, 0.4412, 0.2769)
contains.

Yxy(32.4836, 0.4374, 0.2761)	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(32.4836, 0.4374, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	FF6399
RGB	255, 99, 153
RGB Percent	100%, 39%, 60%
CMY	0.0000, 0.6119, 0.3999
CMYK	0.00, 0.61, 0.40, 0.00
HSL	339°, 100%, 69%
HSV	339°, 61%, 100%
XYZ	51.4608, 32.4836, 33.7072
YIQ	151.8000, 75.6420, 49.8660

Conversions

Conversions Part 2

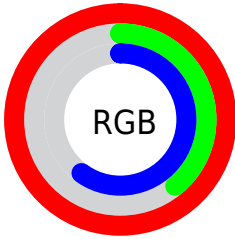
Format	Color
R_{YB}	255, 99, 153
Decimal	16737177
CIE _{Lab}	63.74, 63.81, 2.19
CIE _{LCh}	64, 63.849, 1.964
Yxy	32.4836, 0.4374, 0.2761
Android (android.graphics.Color)	4294927257 (0xFFFF6399)
YUV	151.8000, 0.5916, 90.5064
Hunter-Lab	56.9944, 61.4293, 4.8312

Details

The Yxy color **32.4836, 0.4374, 0.2761** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.3860, 0.2605, 0.3969**, and the grayscale version is **31.2764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5419, 0.3595, 0.2766**, and **13.6904, 0.4783, 0.2591** is the 20% darker color. If you saturate the color by 10%, you get **27.8760, 0.4705, 0.2726**, and if you desaturate by 10%, it is **38.6860, 0.4073, 0.2827**.

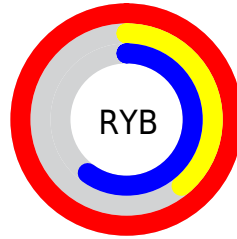
Distribution



Red (100%)

Green (39%)

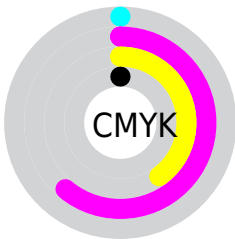
Blue (60%)



Red (100%)

Yellow (39%)

Blue (60%)

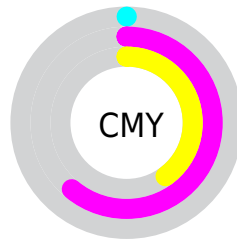


Cyan (0%)

Magenta (61%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.4836, 0.4374, 0.2761 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 32.4836, 0.4374, 0.2761 by changing the saturation by 10% instead.


 32.4836, 0.4374,
0.2761


 32.4836, 0.4374,
0.2761


313.3163, 0.3717,
0.3043


 21.7311, 0.4547,
0.2685


 63.5685, 0.4128,
0.2867


 13.6595, 0.4775,
0.2586


 84.6696, 0.4038,
0.2906

 7.8842, 0.5085,
0.2448


 109.9892, 0.3962,
0.2939

 4.0209, 0.5528,
0.2250

 139.9115, 0.3898,
0.2966

 1.6853, 0.6202,
0.1942

174.8210, 0.3843,
0.2989

 0.4141, 0.7790,
0.1285

215.1020, 0.3796,

 0.0000, 1.0000,

0.3010

0.0000

261.1390, 0.3754,
0.3027

■ 0.0000, 0.0000,
0.0000

■ 32.4836, 0.4374,
0.2761

■ 32.4836, 0.4374,
0.2761

■ 27.8760, 0.4705,
0.2726

■ 38.6860, 0.4073,
0.2827

■ 24.7208, 0.5050,
0.2734

■ 46.6261, 0.3813,
0.2912

■ 22.8322, 0.5381,
0.2793

■ 56.4192, 0.3593,
0.3006

■ 21.9703, 0.5640,
0.2881

■ 68.1738, 0.3411,
0.3101

■ 81.9898, 0.3262,
0.3193

97.9601, 0.3140,
0.3280

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



32.4836, 0.3355, 0.2238



32.4836, 0.4374, 0.2761



32.4836, 0.5013, 0.3400

Triad

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



32.4836, 0.4374, 0.2761



32.4836, 0.3593, 0.5157



32.4836, 0.1514, 0.2095

Complementary

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



32.4836, 0.4374, 0.2761



78.3860, 0.2605, 0.3969

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.



32.4836, 0.1547, 0.2722



32.4836, 0.4374, 0.2761



32.4836, 0.2676, 0.4818

Square

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



32.4836, 0.4374, 0.2761



32.4836, 0.4440, 0.4762



32.4836, 0.1933, 0.3767



32.4836, 0.1799, 0.1857

Rectangle

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



32.4836, 0.4374, 0.2761



32.4836, 0.5073, 0.3856



32.4836, 0.1933, 0.3767



32.4836, 0.1489, 0.2255

Sweetspot

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



32.4803, 0.4374, 0.2761



72.3463, 0.3360, 0.3130



28.4728, 0.2691, 0.1650



14.6674, 0.3406, 0.3103



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.



32.4803, 0.4374, 0.2761



27.2007, 0.4768, 0.2724



36.1732, 0.4913, 0.3519



18.0910, 0.3240, 0.3208



11.5052, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Inverse Universe

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



32.4803, 0.4374, 0.2761



27.2007, 0.4768, 0.2724



67.3578, 0.2317, 0.3005



18.0910, 0.3240, 0.3208



11.5052, 0.5597, 0.2857



1.1399, 0.5281, 0.2683

Previews

White Background



This preview shows how the Yxy color 32.4836, 0.4374, 0.2761 looks on a white background.

Color Contrast Check

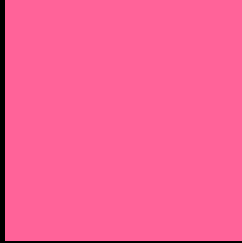
Large Text (above 18pt) WCAG AA × Fail

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 32.4836, 0.4374, 0.2761 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 32.4836, 0.4374, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 32.4836, 0.4374, 0.2761.



This preview shows how white text looks on a background with the Yxy color 32.4836, 0.4374, 0.2761.

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

32.4836, 0.4374, 0.2761

Protanopia

32.6235, 0.2796, 0.2809

Deuteranopia

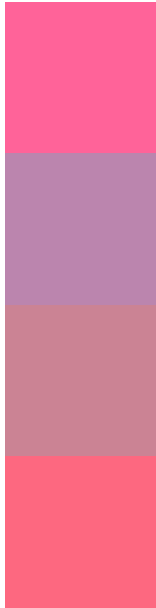
32.4235, 0.3418, 0.3349



Tritanopia

32.4257, 0.4820, 0.3227

Trichromacy



Original Color

32.4836, 0.4374, 0.2761

Protanomaly

30.3958, 0.3293, 0.2741

Deuteranomaly

31.0672, 0.3765, 0.3071

Tritanomaly

32.3418, 0.4667, 0.3058

Monochromacy



Original Color

32.4836, 0.4374, 0.2761

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.8609, 0.3557, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4836, 0.4374, 0.2761 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, 99, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 99, 153)  
}
```

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, 99, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 99, 153) }
```

Border

The CSS property to change the border of an element to Yxy 32.4836, 0.4374, 0.2761 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, 99, 153) }
```

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

```
.border{ border-color:rgb(255, 99, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 99, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 99, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 99, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 99,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4836, 0.4374, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 99, 153) }
```

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

```
.background{ background-color: rgb(255, 99,  
153) }
```

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