

Converting Colors

$Y_{xy}(45.7580, 0.5016, 0.2986)$

Have a look what the booklet for
Yxy(45.7580, 0.5016, 0.2986)
contains.

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Color

Yxy(32.3575, 0.4505, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	FF648F
RGB	255, 100, 143
RGB Percent	100%, 39%, 56%
CMY	0.0000, 0.6078, 0.4393
CMYK	0.00, 0.61, 0.44, 0.00
HSL	343°, 100%, 70%
HSV	343°, 61%, 100%
XYZ	50.7558, 32.3575, 29.5521
YIQ	151.2470, 78.5770, 46.2330

Conversions

Conversions Part 2

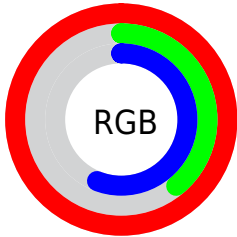
Format	Color
R _Y B	255, 100, 143
Decimal	16737423
CIE Lab	63.64, 62.39, 7.81
CIE LCh	64, 62.874, 7.140
Yxy	32.3575, 0.4505, 0.2872
Android (android.graphics.Color)	4294927503 (0xFFFF648F)
YUV	151.2470, -4.0658, 90.9914
Hunter-Lab	56.8837, 59.7244, 9.0163

Details

The Yxy color **32.3575, 0.4505, 0.2872** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.9840, 0.2560, 0.3822**, and the grayscale version is **31.0515, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.4052, 0.3689, 0.2876**, and **13.5140, 0.4948, 0.2711** is the 20% darker color. If you saturate the color by 10%, you get **27.6948, 0.4876, 0.2849**, and if you desaturate by 10%, it is **38.6436, 0.4168, 0.2923**.

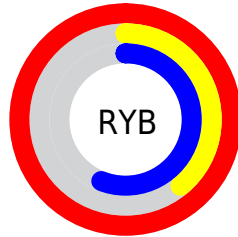
Distribution



Red (100%)

Green (39%)

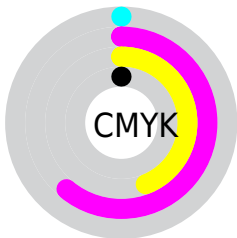
Blue (56%)



Red (100%)

Yellow (39%)

Blue (56%)

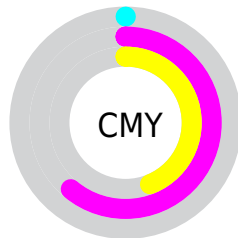


Cyan (0%)

Magenta (61%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (61%)


Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.3575, 0.4505, 0.2872 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 32.3575, 0.4505, 0.2872 by changing the saturation by 10% instead.

 32.3575, 0.4505,
0.2872


 32.3575, 0.4505,
0.2872


312.7446, 0.3775,
0.3107

 21.6347, 0.4699,
0.2805

 63.3711, 0.4231,
0.2963


 13.5887, 0.4953,
0.2715

 84.4307, 0.4130,
0.2996

 7.8352, 0.5299,
0.2587


 109.7047, 0.4047,
0.3022

 3.9897, 0.5793,
0.2395

 139.5775, 0.3976,
0.3045

 1.6678, 0.6535,
0.2085

174.4335, 0.3915,
0.3064

 0.4027, 0.8572,
0.1428

214.6571, 0.3862,

 0.0000, 1.0000,

0.3080

0.0000

260.6327, 0.3816,
0.3094

■ 0.0000, 0.0000,
0.0000

■ 32.3575, 0.4505,
0.2872

■ 32.3575, 0.4505,
0.2872

■ 27.6948, 0.4876,
0.2849

■ 38.6436, 0.4168,
0.2923

■ 24.5005, 0.5258,
0.2866

■ 46.6841, 0.3877,
0.2990

■ 22.5927, 0.5614,
0.2929

■ 56.5993, 0.3633,
0.3065

■ 21.7113, 0.5889,
0.3018

■ 68.4981, 0.3432,
0.3141

■ 82.4810, 0.3269,
0.3215

98.6418, 0.3136,
0.3285

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.



32.3575, 0.3532, 0.2327



32.3575, 0.4505, 0.2872



32.3575, 0.5032, 0.3517

Triad

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



32.3575, 0.4505, 0.2872



32.3575, 0.3434, 0.5135



32.3575, 0.1557, 0.2044

Complementary

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



32.3575, 0.4505, 0.2872



78.9840, 0.2560, 0.3822

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.



32.3575, 0.1535, 0.2593



32.3575, 0.4505, 0.2872



32.3575, 0.2538, 0.4649

Square

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



32.3575, 0.4505, 0.2872



32.3575, 0.4298, 0.4845



32.3575, 0.1856, 0.3563



32.3575, 0.1895, 0.1863

Rectangle

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



32.3575, 0.4505, 0.2872



32.3575, 0.5018, 0.3974



32.3575, 0.1856, 0.3563



32.3575, 0.1514, 0.2181

Sweetspot

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



32.3583, 0.4505, 0.2872



72.1748, 0.3383, 0.3162



30.1969, 0.2788, 0.1701



14.6261, 0.3435, 0.3140



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.



32.3583, 0.4505, 0.2872



26.8654, 0.4961, 0.2849



39.1167, 0.4816, 0.3622



18.0699, 0.3250, 0.3224



11.3662, 0.5847, 0.2995



1.1243, 0.5528, 0.2819

Inverse Universe

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



32.3583, 0.4505, 0.2872



26.8654, 0.4961, 0.2849



61.8636, 0.2291, 0.2876



18.0699, 0.3250, 0.3224



11.3662, 0.5847, 0.2995



1.1243, 0.5528, 0.2819

Previews

White Background



This preview shows how the Yxy color 32.3575, 0.4505, 0.2872 looks on a white background.

Color Contrast Check

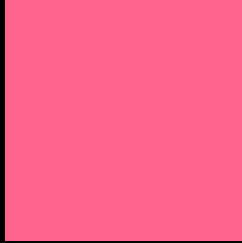
Large Text (above 18pt) WCAG AA × Fail

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 32.3575, 0.4505, 0.2872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

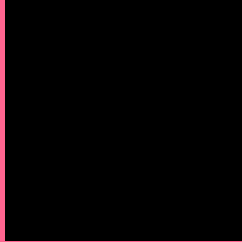
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.3575, 0.4505, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 32.3575, 0.4505, 0.2872.



This preview shows how white text looks on a background with the Yxy color 32.3575, 0.4505, 0.2872.

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

32.3575, 0.4505, 0.2872

Protanopia

32.4750, 0.2939, 0.2994

Deuteranopia

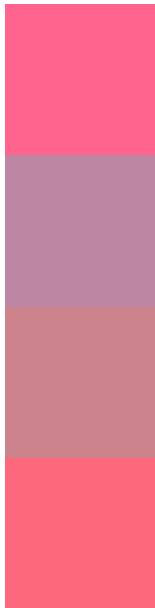
32.5026, 0.3543, 0.3479



Tritanopia

32.3830, 0.4848, 0.3227

Trichromacy



Original Color

32.3575, 0.4505, 0.2872

Protanomaly

30.4776, 0.3442, 0.2912

Deuteranomaly

31.0758, 0.3895, 0.3189

Tritanomaly

32.4267, 0.4728, 0.3100

Monochromacy



Original Color

32.3575, 0.4505, 0.2872

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.4595, 0.3605, 0.3071

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3575, 0.4505, 0.2872 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, 100, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 143)  
}
```

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, 100, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 143) }
```

Border

The CSS property to change the border of an element to Yxy 32.3575, 0.4505, 0.2872 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, 100, 143) }
```

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

```
.border{ border-color:rgb(255, 100, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 100, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3575, 0.4505, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 143) }
```

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

```
.background{ background-color: rgb(255,  
100, 143) }
```

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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