

Converting Colors

$Yxy(39.6972, 0.4312, 0.2855)$

Have a look what the booklet for
Yxy(39.6972, 0.4312, 0.2855)
contains.

Yxy(36.8972, 0.4164, 0.2823)	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(36.8972, 0.4164, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	FF76A4
RGB	255, 118, 164
RGB Percent	100%, 46%, 64%
CMY	0.0000, 0.5373, 0.3568
CMYK	0.00, 0.54, 0.36, 0.00
HSL	340°, 100%, 73%
HSV	340°, 54%, 100%
XYZ	54.4244, 36.8972, 39.3805
YIQ	164.2070, 66.8860, 43.3500

Conversions

Conversions Part 2

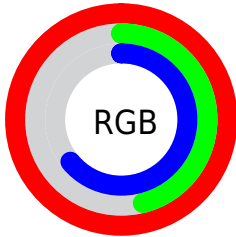
Format	Color
R_{YB}	255, 118, 164
Decimal	16742052
CIE _{Lab}	67.20, 56.58, 0.95
CIE _{LCh}	67, 56.586, 0.964
Yxy	36.8972, 0.4164, 0.2823
Android (android.graphics.Color)	4294932132 (0xFFFF76A4)
YUV	164.2070, -0.1021, 79.6255
Hunter-Lab	60.7431, 53.6314, 4.0816

Details

The Yxy color **36.8972, 0.4164, 0.2823** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.9737, 0.2637, 0.3853**, and the grayscale version is **37.2026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.6466, 0.3456, 0.2831**, and **16.2172, 0.4496, 0.2685** is the 20% darker color. If you saturate the color by 10%, you get **31.1091, 0.4479, 0.2766**, and if you desaturate by 10%, it is **44.3875, 0.3888, 0.2902**.

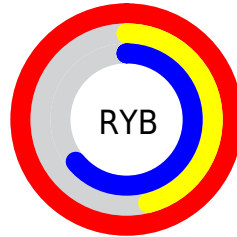
Distribution



Red (100%)

Green (46%)

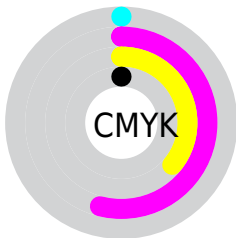
Blue (64%)



Red (100%)

Yellow (46%)

Blue (64%)

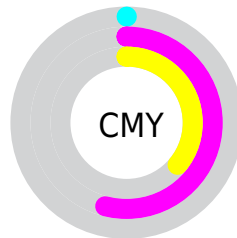


Cyan (0%)

Magenta (54%)

Yellow (36%)

Black (0%)



Cyan (0%)


Magenta (54%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8972, 0.4164, 0.2823 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 36.8972, 0.4164, 0.2823 by changing the saturation by 10% instead.

 36.8972, 0.4164,
0.2823


 36.8972, 0.4164,
0.2823


332.8652, 0.3628,
0.3066


 25.1279, 0.4303,
0.2760


 70.4147, 0.3965,
0.2913

 16.1724, 0.4483,
0.2678

 92.9316, 0.3892,
0.2946

 9.6462, 0.4726,
0.2566


 119.7999, 0.3830,
0.2974

 5.1650, 0.5071,
0.2407

151.4039, 0.3778,
0.2998

 2.3444, 0.5592,
0.2166

188.1281, 0.3733,
0.3019

 0.7971, 0.6462,
0.1764

230.3567, 0.3693,

 0.0000, 1.0000,

0.3036

0.0000

278.4743, 0.3659,
0.3052

■ 0.0000, 0.0000,
0.0000

■ 36.8972, 0.4164,
0.2823

■ 36.8972, 0.4164,
0.2823

■ 31.1091, 0.4479,
0.2766

■ 44.3875, 0.3888,
0.2902

■ 26.8891, 0.4823,
0.2743

■ 53.7053, 0.3653,
0.2991

■ 24.0771, 0.5173,
0.2765

■ 64.9605, 0.3459,
0.3083

■ 22.4799, 0.5498,
0.2838

■ 78.2551, 0.3299,
0.3173

■ 21.9263, 0.5680,
0.2903

■ 93.6839, 0.3169,
0.3259

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.



36.8972, 0.3302, 0.2357



36.8972, 0.4164, 0.2823



36.8972, 0.4727, 0.3399

Triad

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



36.8972, 0.4164, 0.2823



36.8972, 0.3592, 0.4871



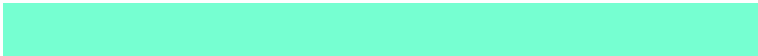
36.8972, 0.1702, 0.2274

Complementary

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



36.8972, 0.4164, 0.2823



79.9737, 0.2637, 0.3853

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.



36.8972, 0.1751, 0.2849



36.8972, 0.4164, 0.2823



36.8972, 0.2787, 0.4578

Square

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



36.8972, 0.4164, 0.2823



36.8972, 0.4316, 0.4577



36.8972, 0.2120, 0.3733



36.8972, 0.1951, 0.2037

Rectangle

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



36.8972, 0.4164, 0.2823



36.8972, 0.4809, 0.3808



36.8972, 0.2120, 0.3733



36.8972, 0.1684, 0.2426

Sweetspot

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



36.8961, 0.4164, 0.2823



75.0505, 0.3333, 0.3153



33.4476, 0.2760, 0.1836



15.4626, 0.3365, 0.3135



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.



36.8961, 0.4164, 0.2823



30.9742, 0.4488, 0.2765



40.9015, 0.4596, 0.3502



18.0877, 0.3241, 0.3210



11.4817, 0.5637, 0.2879



1.1373, 0.5319, 0.2704

Inverse Universe

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



36.8961, 0.4164, 0.2823



30.9742, 0.4488, 0.2765



70.1728, 0.2389, 0.3044



18.0877, 0.3241, 0.3210



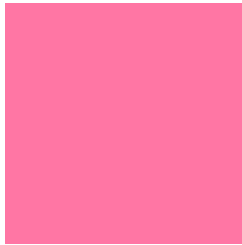
11.4817, 0.5637, 0.2879



1.1373, 0.5319, 0.2704

Previews

White Background



This preview shows how the Yxy color 36.8972, 0.4164, 0.2823 looks on a white background.

Color Contrast Check

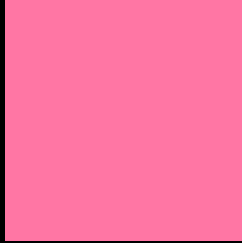
Large Text (above 18pt) WCAG AA × Fail

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 36.8972, 0.4164, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

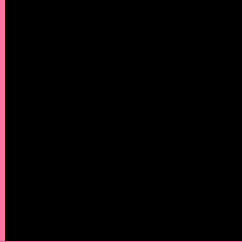
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.8972, 0.4164, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 36.8972, 0.4164, 0.2823.



This preview shows how white text looks on a background with the Yxy color 36.8972, 0.4164, 0.2823.

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

36.8972, 0.4164, 0.2823

Protanopia

37.3269, 0.2860, 0.2901

Deuteranopia

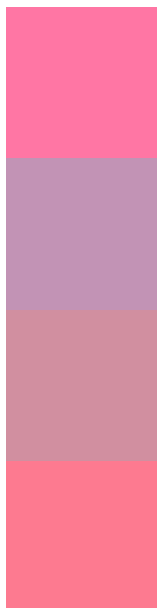
36.8674, 0.3364, 0.3291



Tritanopia

36.8042, 0.4487, 0.3201

Trichromacy



Original Color

36.8972, 0.4164, 0.2823

Protanomaly

35.6730, 0.3278, 0.2851

Deuteranomaly

35.7383, 0.3657, 0.3078

Tritanomaly

36.8153, 0.4374, 0.3067

Monochromacy



Original Color

36.8972, 0.4164, 0.2823

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

35.4181, 0.3480, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8972, 0.4164, 0.2823 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, 118, 164)` looks like.

```
.text, #text, p{  
    color:rgb(255, 118, 164)  
}
```

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, 118, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 118, 164) }
```

Border

The CSS property to change the border of an element to Yxy 36.8972, 0.4164, 0.2823 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, 118, 164) }
```

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

```
.border{ border-color:rgb(255, 118, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 118, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 118, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 118, 164);  
box-shadow:4px 4px 4px 4px rgb(255, 118,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8972, 0.4164, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 118, 164) }
```

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

```
.background{ background-color: rgb(255,  
118, 164) }
```

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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