

Converting Colors

$Y_{xy}(42.0329, 0.4838, 0.3015)$

Have a look what the booklet for
Yxy(42.0329, 0.4838, 0.3015)
contains.

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Color

Yxy(33.6985, 0.4500, 0.2956)

Conversions

Conversions Part 1

Format	Color
Hex	FF6B8D
RGB	255, 107, 141
RGB Percent	100%, 42%, 55%
CMY	0.0001, 0.5803, 0.4470
CMYK	0.00, 0.58, 0.45, 0.00
HSL	346°, 100%, 71%
HSV	346°, 58%, 100%
XYZ	51.3002, 33.6985, 29.0017
YIQ	155.1280, 77.2940, 41.9500

Conversions

Conversions Part 2

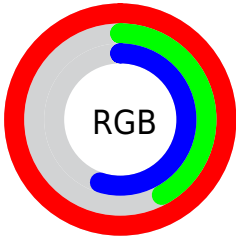
Format	Color
R _Y B	255, 107, 141
Decimal	16739213
CIE Lab	64.72, 59.15, 10.49
CIE LCh	65, 60.078, 10.060
Yxy	33.6985, 0.4500, 0.2956
Android (android.graphics.Color)	4294929293 (0xFFFF6B8D)
YUV	155.1280, -6.9651, 87.5877
Hunter-Lab	58.0504, 56.1553, 11.0143

Details

The Yxy color **33.6985, 0.4500, 0.2956** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **79.8549, 0.2544, 0.3703**, and the grayscale version is **32.8477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3494, 0.3704, 0.2968**, and **14.4213, 0.4947, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **28.6093, 0.4890, 0.2934**, and if you desaturate by 10%, it is **40.4621, 0.4150, 0.3001**.

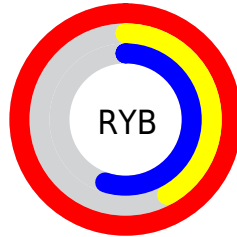
Distribution



Red (100%)

Green (42%)

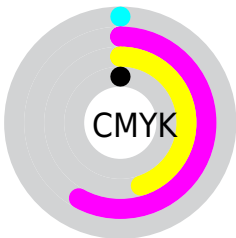
Blue (55%)



Red (100%)

Yellow (42%)

Blue (55%)

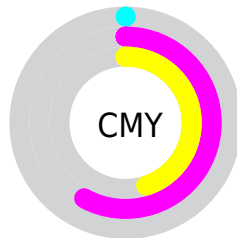


Cyan (0%)

Magenta (58%)

Yellow (45%)

Black (0%)



Cyan (0%)


Magenta (58%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6985, 0.4500, 0.2956 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 33.6985, 0.4500, 0.2956 by changing the saturation by 10% instead.

 33.6985, 0.4500,
0.2956


 33.6985, 0.4500,
0.2956


318.7856, 0.3775,
0.3150

 22.6621, 0.4691,
0.2899


 65.4645, 0.4229,
0.3033


 14.3442, 0.4941,
0.2821


 86.9629, 0.4129,
0.3060

 8.3604, 0.5281,
0.2709


 112.7175, 0.4046,
0.3082

 4.3264, 0.5763,
0.2537

 143.1125, 0.3975,
0.3100

 1.8578, 0.6483,
0.2253

178.5324, 0.3914,
0.3115

 0.5228, 0.8264,
0.1736

219.3616, 0.3862,

 0.0000, 1.0000,

0.3128

0.0000

265.9846, 0.3816,
0.3140

■ 0.0000, 0.0000,
0.0000

■ 33.6985, 0.4500,
0.2956

■ 33.6985, 0.4500,
0.2956

■ 28.6093, 0.4890,
0.2934

■ 40.4621, 0.4150,
0.3001

■ 25.0412, 0.5296,
0.2945

■ 49.0246, 0.3851,
0.3058

■ 22.8223, 0.5675,
0.2996

■ 59.5051, 0.3603,
0.3121

■ 21.7180, 0.5983,
0.3082

■ 72.0108, 0.3400,
0.3184

■ 21.5673, 0.6036,
0.3099

■ 86.6410, 0.3236,
0.3244

99.9961, 0.3127,
0.3290

Harmonies

Analogous

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



33.6985, 0.3608, 0.2418



33.6985, 0.4500, 0.2956



33.6985, 0.4945, 0.3585

Triad

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



33.6985, 0.4500, 0.2956



33.6985, 0.3347, 0.5014



33.6985, 0.1645, 0.2076

Complementary

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



33.6985, 0.4500, 0.2956



79.8549, 0.2544, 0.3703

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.



33.6985, 0.1596, 0.2569



33.6985, 0.4500, 0.2956



33.6985, 0.2501, 0.4476

Square

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



33.6985, 0.4500, 0.2956



33.6985, 0.4180, 0.4822



33.6985, 0.1875, 0.3451



33.6985, 0.2002, 0.1927

Rectangle

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



33.6985, 0.4500, 0.2956



33.6985, 0.4901, 0.4024



33.6985, 0.1875, 0.3451



33.6985, 0.1594, 0.2198

Sweetspot

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



33.7003, 0.4500, 0.2956



73.4250, 0.3382, 0.3190



33.0267, 0.2876, 0.1793



15.1329, 0.3418, 0.3178



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.



33.7003, 0.4500, 0.2956



27.7941, 0.4970, 0.2933



43.0245, 0.4651, 0.3689



18.0554, 0.3258, 0.3236



11.2901, 0.5997, 0.3077



1.1151, 0.5688, 0.2907

Inverse Universe

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



33.7003, 0.4500, 0.2956



27.7941, 0.4970, 0.2933



59.2150, 0.2298, 0.2803



18.0554, 0.3258, 0.3236



11.2901, 0.5997, 0.3077



1.1151, 0.5688, 0.2907

Previews

White Background



This preview shows how the Yxy color 33.6985, 0.4500, 0.2956 looks on a white background.

Color Contrast Check

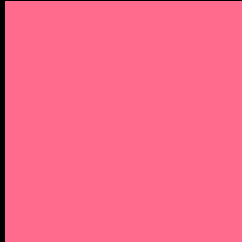
Large Text (above 18pt) WCAG AA × Fail

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 33.6985, 0.4500, 0.2956 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

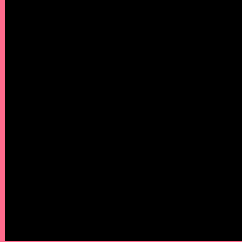
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6985, 0.4500, 0.2956

Background



This preview shows how black text looks on a background with the Yxy color 33.6985, 0.4500, 0.2956.



This preview shows how white text looks on a background with the Yxy color 33.6985, 0.4500, 0.2956.

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

33.6985, 0.4500, 0.2956

Protanopia

33.7722, 0.3030, 0.3114

Deuteranopia

33.6782, 0.3611, 0.3532



Tritanopia

33.5834, 0.4742, 0.3216

Trichromacy



Original Color

33.6985, 0.4500, 0.2956



Protanomaly

31.9830, 0.3521, 0.3023



Deuteranomaly

32.5440, 0.3934, 0.3267



Tritanomaly

33.7550, 0.4656, 0.3126

Monochromacy



Original Color

33.6985, 0.4500, 0.2956



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

31.4553, 0.3588, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6985, 0.4500, 0.2956 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, 107, 141)` looks like.

```
.text, #text, p{  
    color:rgb(255, 107, 141)  
}
```

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, 107, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 107, 141) }
```

Border

The CSS property to change the border of an element to Yxy 33.6985, 0.4500, 0.2956 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, 107, 141) }
```

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

```
.border{ border-color:rgb(255, 107, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 107, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 107, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 107, 141);  
box-shadow:4px 4px 4px 4px rgb(255, 107,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6985, 0.4500, 0.2956 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 107, 141) }
```

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

```
.background{ background-color: rgb(255,  
107, 141) }
```

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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