

Converting Colors

$Yxy(34.4703, 0.4128, 0.2652)$

Have a look what the booklet for
Yxy(34.4703, 0.4128, 0.2652)
contains.

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Color

Yxy(34.4703, 0.4128, 0.2652)

Conversions

Conversions Part 1

Format	Color
Hex	FF6AAA
RGB	255, 106, 170
RGB Percent	100%, 42%, 67%
CMY	0.0000, 0.5844, 0.3334
CMYK	0.00, 0.58, 0.33, 0.00
HSL	334°, 100%, 71%
HSV	334°, 58%, 100%
XYZ	53.6551, 34.4703, 41.8531
YIQ	157.8470, 68.2600, 51.4920

Conversions

Conversions Part 2

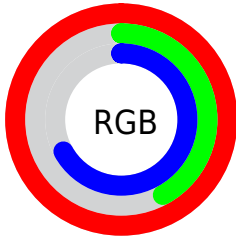
Format	Color
R _Y B	255, 106, 170
Decimal	16738986
CIE Lab	65.33, 62.65, -5.19
CIE LCh	65, 62.868, 355.267
Yxy	34.4703, 0.4128, 0.2652
Android (android.graphics.Color)	4294929066 (0xFFFF6AAA)
YUV	157.8470, 5.9914, 85.2032
Hunter-Lab	58.7114, 60.3824, -1.1675

Details

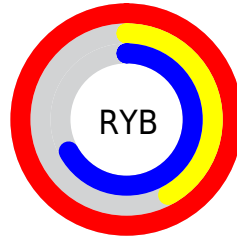
The Yxy color **34.4703, 0.4128, 0.2652** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **78.3449, 0.2673, 0.4098**, and the grayscale version is **34.0644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.8906, 0.3419, 0.2662**, and **14.7313, 0.4430, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **29.4509, 0.4402, 0.2588**, and if you desaturate by 10%, it is **41.1079, 0.3882, 0.2745**.

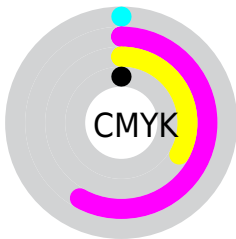
Distribution



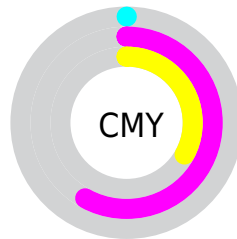
- Red (100%)
- Green (42%)
- Blue (67%)



- Red (100%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (58%)
- Yellow (33%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4703, 0.4128, 0.2652 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 34.4703, 0.4128, 0.2652 by changing the saturation by 10% instead.


 34.4703, 0.4128,
0.2652


 34.4703, 0.4128,
0.2652

322.2240, 0.3611,
0.2976

 23.2551, 0.4262,
0.2570

 66.6644, 0.3937,
0.2770


 14.7820, 0.4435,
0.2465


 88.4120, 0.3866,
0.2815

 8.6665, 0.4670,
0.2326


 114.4393, 0.3806,
0.2852

 4.5243, 0.5003,
0.2132

 145.1307, 0.3755,
0.2884

 1.9710, 0.5506,
0.1847

180.8704, 0.3712,
0.2911

 0.5905, 0.6377,
0.1340

222.0429, 0.3674,

 0.0000, 1.0000,


0.2936


0.0000


269.0327, 0.3640,
0.2957


 0.0000, 0.0000,
0.0000

 34.4703, 0.4128,
0.2652

 34.4703, 0.4128,
0.2652


 29.4509, 0.4402,
0.2588


 41.1079, 0.3882,
0.2745


 25.9116, 0.4695,
0.2566


 49.4981, 0.3669,
0.2855


 23.6785, 0.4987,
0.2597

 59.7532, 0.3488,
0.2971

 22.5122, 0.5262,
0.2680

 71.9782, 0.3338,
0.3088

 22.3756, 0.5303,
0.2695

 86.2701, 0.3214,
0.3200

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.



34.4703, 0.3128, 0.2179



34.4703, 0.4128, 0.2652



34.4703, 0.4863, 0.3260

Triad

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



34.4703, 0.4128, 0.2652



34.4703, 0.3785, 0.5057



34.4703, 0.1536, 0.2233

Complementary

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



34.4703, 0.4128, 0.2652



78.3449, 0.2673, 0.4098

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.



34.4703, 0.1644, 0.2941



34.4703, 0.4128, 0.2652



34.4703, 0.2890, 0.4905

Square

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



34.4703, 0.4128, 0.2652



34.4703, 0.4561, 0.4592



34.4703, 0.2107, 0.4002



34.4703, 0.1746, 0.1921

Rectangle

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



34.4703, 0.4128, 0.2652



34.4703, 0.5024, 0.3701



34.4703, 0.2107, 0.4002



34.4703, 0.1535, 0.2421

Sweetspot

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



34.4680, 0.4128, 0.2652



72.5569, 0.3332, 0.3093



28.5284, 0.2607, 0.1670



14.7184, 0.3373, 0.3059



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.



34.4680, 0.4128, 0.2652



28.8037, 0.4447, 0.2581



34.7736, 0.4883, 0.3391



18.1166, 0.3226, 0.3188



11.7203, 0.5262, 0.2672



1.1625, 0.4972, 0.2513

Inverse Universe

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



34.4680, 0.4128, 0.2652



28.8037, 0.4447, 0.2581



75.6283, 0.2376, 0.3171



18.1166, 0.3226, 0.3188



11.7203, 0.5262, 0.2672



1.1625, 0.4972, 0.2513

Previews

White Background



This preview shows how the Yxy color 34.4703, 0.4128, 0.2652 looks on a white background.

Color Contrast Check

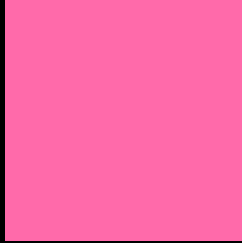
Large Text (above 18pt) WCAG AA × Fail

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 34.4703, 0.4128, 0.2652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

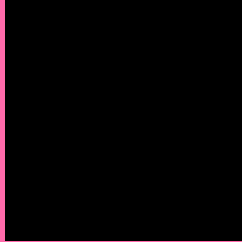
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4703, 0.4128, 0.2652

Background



This preview shows how black text looks on a background with the Yxy color 34.4703, 0.4128, 0.2652.



This preview shows how white text looks on a background with the Yxy color 34.4703, 0.4128, 0.2652.

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

34.4703, 0.4128, 0.2652

Protanopia

34.6288, 0.2665, 0.2647

Deuteranopia

34.6398, 0.3233, 0.3163



Tritanopia

34.4552, 0.4632, 0.3213

Trichromacy



Original Color

34.4703, 0.4128, 0.2652



Protanomaly

32.3776, 0.3109, 0.2598



Deuteranomaly

33.3410, 0.3543, 0.2920



Tritanomaly

34.2069, 0.4448, 0.2998

Monochromacy



Original Color

34.4703, 0.4128, 0.2652



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.4113, 0.3476, 0.2984

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4703, 0.4128, 0.2652 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, 106, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 106, 170)  
}
```

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, 106, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 106, 170) }
```

Border

The CSS property to change the border of an element to Yxy 34.4703, 0.4128, 0.2652 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, 106, 170) }
```

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

```
.border{ border-color:rgb(255, 106, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 106, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 106, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 106, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 106,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4703, 0.4128, 0.2652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 106, 170) }
```

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

```
.background{ background-color: rgb(255,  
106, 170) }
```

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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