

Converting Colors

$Yxy(40.3986, 0.3526, 0.2333)$

Have a look what the booklet for
Yxy(40.3986, 0.3526, 0.2333)
contains.

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Color

Yxy(40.2935, 0.3528, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	FF7ADB
RGB	255, 122, 219
RGB Percent	100%, 48%, 86%
CMY	0.0000, 0.5215, 0.1412
CMYK	0.00, 0.52, 0.14, 0.00
HSL	316°, 100%, 74%
HSV	316°, 52%, 100%
XYZ	60.9848, 40.2935, 71.5810
YIQ	172.8250, 48.1310, 58.3630

Conversions

Conversions Part 2

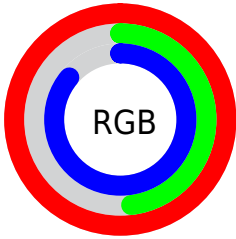
Format	Color
RYB	255, 122, 219
Decimal	16743131
CIELab	69.68, 61.95, -26.18
CIELCh	70, 67.256, 337.089
Yxy	40.2935, 0.3528, 0.2331
Android (android.graphics.Color)	4294933211 (0xFFFF7ADB)
YUV	172.8250, 22.7643, 72.0675
Hunter-Lab	63.4772, 60.4062, -22.4253

Details

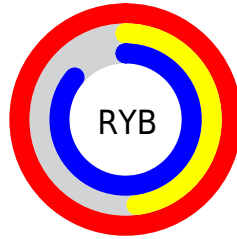
The Yxy color **40.2935, 0.3528, 0.2331** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **78.1255, 0.2890, 0.4519**, and the grayscale version is **41.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7202, 0.3162, 0.2546**, and **18.1967, 0.3624, 0.2103** is the 20% darker color. If you saturate the color by 10%, you get **34.4770, 0.3635, 0.2185**, and if you desaturate by 10%, it is **47.7713, 0.3430, 0.2503**.

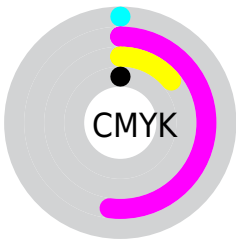
Distribution



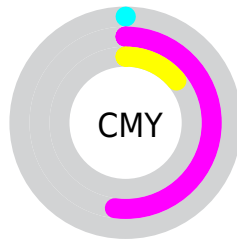
- Red (100%)
- Green (48%)
- Blue (86%)



- Red (100%)
- Yellow (48%)
- Blue (86%)



- Cyan (0%)
- Magenta (52%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (52%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.2935, 0.3528, 0.2331 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 40.2935, 0.3528, 0.2331 by changing the saturation by 10% instead.


 40.2935, 0.3528,
0.2331


 40.2935, 0.3528,
0.2331


347.3591, 0.3343,
0.2778


 27.7675, 0.3570,
0.2229


 75.6102, 0.3464,
0.2486

 18.1504, 0.3621,
0.2104

 99.1697, 0.3439,
0.2546

 11.0580, 0.3684,
0.1946


 127.1758, 0.3418,
0.2598

 6.1059, 0.3765,
0.1744

160.0129, 0.3399,
0.2644

 2.9096, 0.3871,
0.1475

198.0654, 0.3382,
0.2683

 1.0847, 0.4009,
0.1112

241.7176, 0.3368,

 0.0000, 0.4462,

0.2719

0.0000

291.3541, 0.3355,
0.2750

0.0000, 0.4209,
0.0000

0.0000, 0.0000,
0.0000

40.2935, 0.3528,
0.2331

40.2935, 0.3528,
0.2331

34.4770, 0.3635,
0.2185

47.7713, 0.3430,
0.2503

30.1845, 0.3747,
0.2074


57.0221, 0.3341,
0.2688

27.2663, 0.3861,
0.2008

68.1545, 0.3263,
0.2880

25.5391, 0.3972,
0.1992

81.2667, 0.3196,
0.3069

 24.8037, 0.4057,
0.2009

 96.4500, 0.3138,
0.3252

99.9995, 0.3127,
0.3290

Harmonies

Analogous

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



40.2935, 0.2569, 0.1977



40.2935, 0.3528, 0.2331



40.2935, 0.4496, 0.2874

Triad

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



40.2935, 0.3528, 0.2331



40.2935, 0.4295, 0.4837



40.2935, 0.1542, 0.2599

Complementary

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



40.2935, 0.3528, 0.2331



78.1255, 0.2890, 0.4519

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.



40.2935, 0.1863, 0.3564



40.2935, 0.3528, 0.2331



40.2935, 0.3435, 0.5124

Square

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



40.2935, 0.3528, 0.2331



40.2935, 0.4904, 0.4201



40.2935, 0.2543, 0.4642



40.2935, 0.1563, 0.2051

Rectangle

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



40.2935, 0.3528, 0.2331



40.2935, 0.4917, 0.3296



40.2935, 0.2543, 0.4642



40.2935, 0.1609, 0.2878

Sweetspot

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



40.2954, 0.3528, 0.2331



75.9834, 0.3221, 0.2997



28.3570, 0.2359, 0.1715



15.6849, 0.3234, 0.2958



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.



40.2954, 0.3528, 0.2331



34.0569, 0.3644, 0.2174



37.4821, 0.4283, 0.2975



18.2115, 0.3180, 0.3118



12.9870, 0.4040, 0.1999



1.2828, 0.3923, 0.1935

Inverse Universe

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



40.2954, 0.3528, 0.2331



34.0569, 0.3644, 0.2174



81.0367, 0.2585, 0.3660



18.2115, 0.3180, 0.3118



12.9870, 0.4040, 0.1999



1.2828, 0.3923, 0.1935

Previews

White Background



This preview shows how the Yxy color 40.2935, 0.3528, 0.2331 looks on a white background.

Color Contrast Check

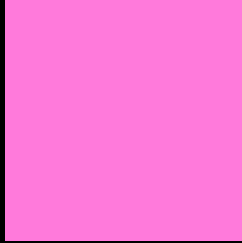
Large Text (above 18pt) WCAG AA × Fail

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 40.2935, 0.3528, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

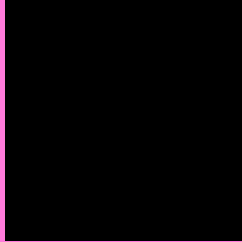
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2935, 0.3528, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 40.2935, 0.3528, 0.2331.



This preview shows how white text looks on a background with the Yxy color 40.2935, 0.3528, 0.2331.

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

40.2935, 0.3528, 0.2331

Protanopia

40.8237, 0.2342, 0.2230

Deuteranopia

40.4476, 0.2772, 0.2714



Tritanopia

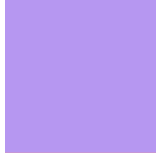
40.2715, 0.4204, 0.3186

Trichromacy



Original Color

40.2935, 0.3528, 0.2331



Protanomaly

38.4292, 0.2675, 0.2223



Deuteranomaly

38.9940, 0.3015, 0.2529



Tritanomaly

40.0678, 0.3960, 0.2850

Monochromacy



Original Color

40.2935, 0.3528, 0.2331



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.5254, 0.3273, 0.2845

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2935, 0.3528, 0.2331 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, 122, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 122, 219)  
}
```

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, 122, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 122, 219) }
```

Border

The CSS property to change the border of an element to Yxy 40.2935, 0.3528, 0.2331 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, 122, 219) }
```

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

```
.border{ border-color:rgb(255, 122, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 122, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 122, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 122, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 122,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2935, 0.3528, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 122, 219) }
```

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

```
.background{ background-color: rgb(255,  
122, 219) }
```

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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