

Converting Colors

$Y_{xy}(30.5253, 0.4560, 0.2796)$

Have a look what the booklet for
Yxy(30.5253, 0.4560, 0.2796)
contains.

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Color

Yxy(30.5253, 0.4560, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	FF5A8E
RGB	255, 90, 142
RGB Percent	100%, 35%, 56%
CMY	0.0000, 0.6471, 0.4431
CMYK	0.00, 0.65, 0.44, 0.00
HSL	341°, 100%, 68%
HSV	341°, 65%, 100%
XYZ	49.7838, 30.5253, 28.8658
YIQ	145.2630, 81.6480, 51.1520

Conversions

Conversions Part 2

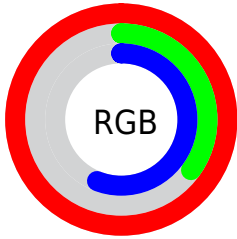
Format	Color
R _{YB}	255, 90, 142
Decimal	16734862
CIE _{Lab}	62.10, 66.39, 6.18
CIE _{LCh}	62, 66.673, 5.321
Yxy	30.5253, 0.4560, 0.2796
Android (android.graphics.Color)	4294924942 (0xFFFF5A8E)
YUV	145.2630, -1.6087, 96.2393
Hunter-Lab	55.2497, 64.1537, 7.6981

Details

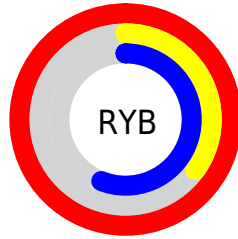
The Yxy color **30.5253, 0.4560, 0.2796** is a light color, and the websafe version is hex **FF6699**. The color can be described as light muted rose. A complement of this color would be **78.0037, 0.2568, 0.3947**, and the grayscale version is **28.4073, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.3799, 0.3729, 0.2804**, and **12.5428, 0.5034, 0.2615** is the 20% darker color. If you saturate the color by 10%, you get **26.4517, 0.4917, 0.2781**, and if you desaturate by 10%, it is **36.1533, 0.4229, 0.2846**.

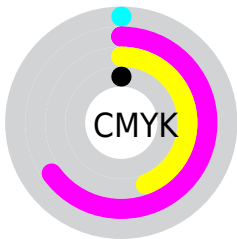
Distribution



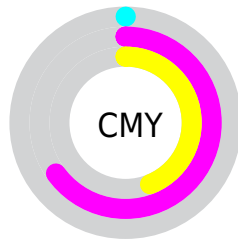
- Red (100%)
- Green (35%)
- Blue (56%)



- Red (100%)
- Yellow (35%)
- Blue (56%)



- Cyan (0%)
- Magenta (65%)
- Yellow (44%)
- Black (0%)





- Cyan (0%)
- Magenta (65%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5253, 0.4560, 0.2796 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 30.5253, 0.4560, 0.2796 by changing the saturation by 10% instead.


 30.5253, 0.4560,
0.2796


 30.5253, 0.4560,
0.2796


304.3454, 0.3796,
0.3070

 20.2376, 0.4764,
0.2719


 60.4919, 0.4272,
0.2902


 12.5679, 0.5033,
0.2615


 80.9397, 0.4167,
0.2940

 7.1317, 0.5400,
0.2469


 105.5429, 0.4079,
0.2971

 3.5446, 0.5926,
0.2252

 134.6861, 0.4005,
0.2998

 1.4222, 0.6717,
0.1905

168.7535, 0.3942,
0.3020

 0.2330, 0.9077,
0.0923

208.1296, 0.3887,

 0.0000, 1.0000,

0.3039

0.0000

253.1988, 0.3838,
0.3056

■ 0.0000, 0.0000,
0.0000

■ 30.5253, 0.4560,
0.2796

■ 30.5253, 0.4560,
0.2796

■ 26.4517, 0.4917,
0.2781

■ 36.1533, 0.4229,
0.2846

■ 23.7740, 0.5276,
0.2811

■ 43.4786, 0.3938,
0.2917


■ 22.2926, 0.5604,
0.2890

■ 52.6238, 0.3692,
0.3000

■ 21.8451, 0.5757,
0.2945

■ 63.7011, 0.3487,
0.3087

■ 76.8136, 0.3319,
0.3172

 92.0568, 0.3182,
0.3254

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.



30.5253, 0.3489, 0.2235



30.5253, 0.4560, 0.2796



30.5253, 0.5162, 0.3465

Triad

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



30.5253, 0.4560, 0.2796



30.5253, 0.3491, 0.5290



30.5253, 0.1452, 0.1979

Complementary

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



30.5253, 0.4560, 0.2796



78.0037, 0.2568, 0.3947

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.



30.5253, 0.1445, 0.2579



30.5253, 0.4560, 0.2796



30.5253, 0.2535, 0.4836

Square

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



30.5253, 0.4560, 0.2796



30.5253, 0.4405, 0.4900



30.5253, 0.1796, 0.3653



30.5253, 0.1784, 0.1777

Rectangle

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



30.5253, 0.4560, 0.2796



30.5253, 0.5163, 0.3943



30.5253, 0.1796, 0.3653



30.5253, 0.1413, 0.2129

Sweetspot

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



30.5242, 0.4560, 0.2796



70.9325, 0.3387, 0.3136



27.1916, 0.2708, 0.1591



14.3891, 0.3436, 0.3112



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.



30.5242, 0.4560, 0.2796



25.4255, 0.5037, 0.2785



35.4892, 0.5023, 0.3577



18.0814, 0.3244, 0.3215



11.4382, 0.5714, 0.2921



1.1325, 0.5394, 0.2745

Inverse Universe

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



30.5242, 0.4560, 0.2796



25.4255, 0.5037, 0.2785



63.1075, 0.2270, 0.2916



18.0814, 0.3244, 0.3215



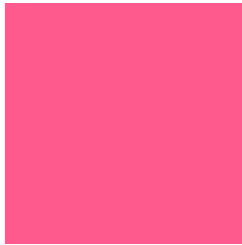
11.4382, 0.5714, 0.2921



1.1325, 0.5394, 0.2745

Previews

White Background



This preview shows how the Yxy color 30.5253, 0.4560, 0.2796 looks on a white background.

Color Contrast Check

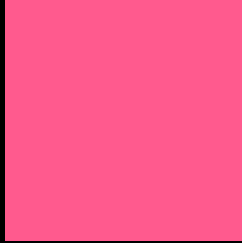
Large Text (above 18pt) WCAG AA × Fail

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 30.5253, 0.4560, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

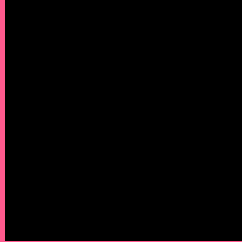
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5253, 0.4560, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 30.5253, 0.4560, 0.2796.



This preview shows how white text looks on a background with the Yxy color 30.5253, 0.4560, 0.2796.

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

30.5253, 0.4560, 0.2796

Protanopia

30.6492, 0.2847, 0.2883

Deuteranopia

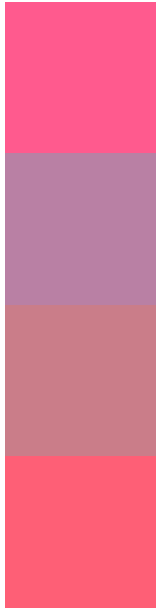
30.6300, 0.3521, 0.3454



Tritanopia

30.6175, 0.5013, 0.3240

Trichromacy



Original Color

30.5253, 0.4560, 0.2796

Protanomaly

28.4330, 0.3387, 0.2797

Deuteranomaly

29.0299, 0.3910, 0.3135

Tritanomaly

30.5633, 0.4858, 0.3078

Monochromacy



Original Color

30.5253, 0.4560, 0.2796

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

26.9951, 0.3627, 0.3024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5253, 0.4560, 0.2796 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, 90, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 90, 142)  
}
```

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, 90, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 90, 142) }
```

Border

The CSS property to change the border of an element to Yxy 30.5253, 0.4560, 0.2796 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, 90, 142) }
```

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

```
.border{ border-color:rgb(255, 90, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 90, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 90, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 90, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 90,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5253, 0.4560, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 90, 142) }
```

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

```
.background{ background-color: rgb(255, 90,  
142) }
```

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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