

Converting Colors

$Y_{xy}(71.4031, 0.4263, 0.3064)$

Have a look what the booklet for
Yxy(71.4031, 0.4263, 0.3064)
contains.

Yxy(54.1330, 0.3641, 0.2990)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.1330, 0.3641, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAC7
RGB	255, 170, 199
RGB Percent	100%, 67%, 78%
CMY	0.0000, 0.3333, 0.2197
CMYK	0.00, 0.33, 0.22, 0.00
HSL	340°, 100%, 83%
HSV	340°, 33%, 100%
XYZ	65.9191, 54.1330, 60.9947
YIQ	198.7210, 41.3510, 27.0390

Conversions

Conversions Part 2

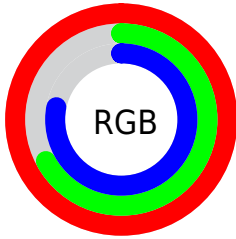
Format	Color
R _Y B	255, 170, 199
Decimal	16755399
CIE Lab	78.54, 35.09, -1.87
CIE LCh	79, 35.136, 356.948
Yxy	54.1330, 0.3641, 0.2990
Android (android.graphics.Color)	4294945479 (0xFFFFAAC7)
YUV	198.7210, 0.1375, 49.3567
Hunter-Lab	73.5751, 31.1694, 2.3505

Details

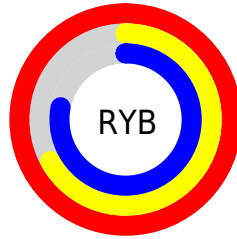
The Yxy color **54.1330, 0.3641, 0.2990** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **85.5545, 0.2792, 0.3616**, and the grayscale version is **56.9153, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **26.6372, 0.3781, 0.2919** is the 20% darker color. If you saturate the color by 10%, you get **44.7457, 0.3871, 0.2899**, and if you desaturate by 10%, it is **65.4657, 0.3450, 0.3084**.

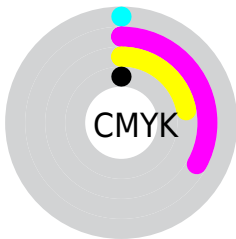
Distribution



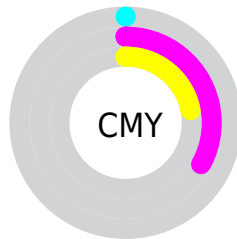
- Red (100%)
- Green (67%)
- Blue (78%)



- Red (100%)
- Yellow (67%)
- Blue (78%)



- Cyan (0%)
- Magenta (33%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1330, 0.3641, 0.2990 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 54.1330, 0.3641, 0.2990 by changing the saturation by 10% instead.


 54.1330, 0.3641,
0.2990

 54.1330, 0.3641,
0.2990


402.6170, 0.3391,
0.3135

 38.7080, 0.3701,
0.2955


 96.2695, 0.3552,
0.3041

 26.5326, 0.3777,
0.2912


123.7498, 0.3518,
0.3061

 17.2225, 0.3876,
0.2855


156.0173, 0.3489,
0.3078

 10.3933, 0.4010,
0.2779

193.4564, 0.3464,
0.3092

 5.6605, 0.4202,
0.2672

236.4516, 0.3443,
0.3105

 2.6398, 0.4497,
0.2508

285.3871, 0.3423,

 0.9467, 0.5006,

0.3116

0.2230

340.6474, 0.3407,
0.3126

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

54.1330, 0.3641,
0.2990

54.1330, 0.3641,
0.2990

44.7457, 0.3871,
0.2899

65.4657, 0.3450,
0.3084

37.1856, 0.4144,
0.2819

78.8376, 0.3293,
0.3175

31.3339, 0.4455,
0.2759

94.3459, 0.3164,
0.3262

27.0538, 0.4795,
0.2734

99.9984, 0.3127,
0.3290

■ 24.1878, 0.5142,
0.2753

■ 22.5443, 0.5467,
0.2824

■ 21.9452, 0.5661,
0.2892

Harmonies

Analogous

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



54.1330, 0.3174, 0.2709



54.1330, 0.3641, 0.2990



54.1330, 0.3974, 0.3348

Triad

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



54.1330, 0.3641, 0.2990



54.1330, 0.3489, 0.4137



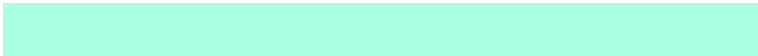
54.1330, 0.2276, 0.2767

Complementary

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



54.1330, 0.3641, 0.2990



85.5545, 0.2792, 0.3616

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.



54.1330, 0.2346, 0.3137



54.1330, 0.3641, 0.2990



54.1330, 0.3027, 0.3989

Square

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



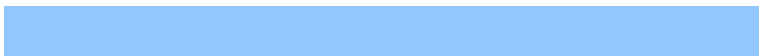
54.1330, 0.3641, 0.2990



54.1330, 0.3870, 0.4016



54.1330, 0.2612, 0.3601



54.1330, 0.2409, 0.2570

Rectangle

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



54.1330, 0.3641, 0.2990



54.1330, 0.4060, 0.3598



54.1330, 0.2612, 0.3601



54.1330, 0.2276, 0.2873

Sweetspot

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



54.1355, 0.3641, 0.2990



83.7601, 0.3247, 0.3205



52.0216, 0.2931, 0.2399



17.4772, 0.3266, 0.3192



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.



54.1355, 0.3641, 0.2990



47.6634, 0.3790, 0.2929



57.9293, 0.3867, 0.3426



18.0893, 0.3240, 0.3209



11.4927, 0.5618, 0.2869



1.1385, 0.5301, 0.2694

Inverse Universe

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



54.1355, 0.3641, 0.2990



47.6634, 0.3790, 0.2929



79.4171, 0.2634, 0.3148



18.0893, 0.3240, 0.3209



11.4927, 0.5618, 0.2869



1.1385, 0.5301, 0.2694

Previews

White Background



This preview shows how the Yxy color 54.1330, 0.3641, 0.2990 looks on a white background.

Color Contrast Check

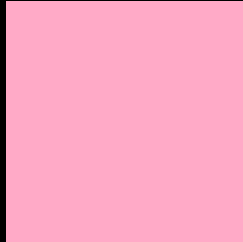
Large Text (above 18pt) WCAG AA × Fail

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 54.1330, 0.3641, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

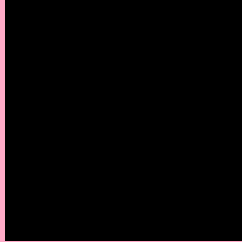
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.1330, 0.3641, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 54.1330, 0.3641, 0.2990.



This preview shows how white text looks on a background with the Yxy color 54.1330, 0.3641, 0.2990.

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

54.1330, 0.3641, 0.2990

Protanopia

54.2815, 0.2982, 0.3050

Deuteranopia

54.5268, 0.3272, 0.3208



Tritanopia

54.0787, 0.3756, 0.3155

Trichromacy



Original Color

54.1330, 0.3641, 0.2990



Protanomaly

53.8509, 0.3206, 0.3026



Deuteranomaly

53.9811, 0.3400, 0.3122



Tritanomaly

53.9144, 0.3713, 0.3092

Monochromacy



Original Color

54.1330, 0.3641, 0.2990



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

55.1500, 0.3299, 0.3164

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1330, 0.3641, 0.2990 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, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 199)  
}
```

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, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 199) }
```

Border

The CSS property to change the border of an element to Yxy 54.1330, 0.3641, 0.2990 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, 170, 199) }
```

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

```
.border{ border-color:rgb(255, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1330, 0.3641, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 170, 199) }
```

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

```
.background{ background-color: rgb(255,  
170, 199) }
```

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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