

Converting Colors

Yxy(54.9710, 0.3488, 0.2819)

Have a look what the booklet for
Yxy(54.9710, 0.3488, 0.2819)
contains.

Yxy(54.9673, 0.3488, 0.2819)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(54.9673, 0.3488, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	FFAAD8
RGB	255, 170, 216
RGB Percent	100%, 67%, 85%
CMY	0.0000, 0.3333, 0.1528
CMYK	0.00, 0.33, 0.15, 0.00
HSL	328°, 100%, 83%
HSV	328°, 33%, 100%
XYZ	68.0120, 54.9673, 72.0093
YIQ	200.6590, 35.8940, 32.3260

Conversions

Conversions Part 2

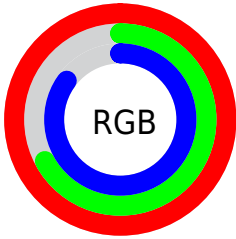
Format	Color
RYB	255, 170, 216
Decimal	16755416
CIELab	79.02, 37.64, -10.42
CIELCh	79, 39.054, 344.528
Yxy	54.9673, 0.3488, 0.2819
Android (android.graphics.Color)	4294945496 (0xFFFFAAD8)
YUV	200.6590, 7.5631, 47.6571
Hunter-Lab	74.1399, 34.0015, -5.6882

Details

The Yxy color **54.9673, 0.3488, 0.2819** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.6685, 0.2878, 0.3817**, and the grayscale version is **58.1245, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8727, 0.3140, 0.3009**, and **26.9343, 0.3582, 0.2702** is the 20% darker color. If you saturate the color by 10%, you get **45.7349, 0.3642, 0.2677**, and if you desaturate by 10%, it is **66.1018, 0.3357, 0.2965**.

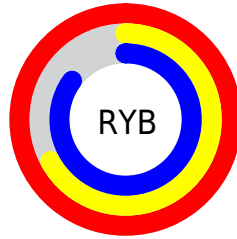
Distribution



Red (100%)

Green (67%)

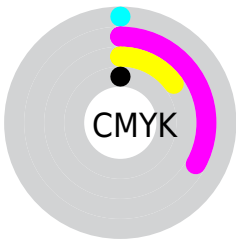
Blue (85%)



Red (100%)

Yellow (67%)

Blue (85%)

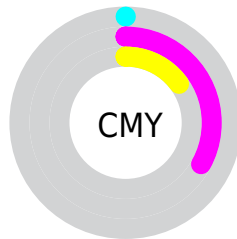


Cyan (0%)

Magenta (33%)

Yellow (15%)

Black (0%)



Cyan (0%)


Magenta (33%)

Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.9673, 0.3488, 0.2819 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 54.9673, 0.3488, 0.2819 by changing the saturation by 10% instead.


 54.9673, 0.3488,
0.2819

 54.9673, 0.3488,
0.2819


405.7880, 0.3317,
0.3039

 39.3755, 0.3528,
0.2768


 97.4930, 0.3428,
0.2896

 27.0520, 0.3578,
0.2706


125.1958, 0.3405,
0.2925

 17.6123, 0.3642,
0.2626


157.7044, 0.3385,
0.2951

 10.6720, 0.3727,
0.2521

195.4031, 0.3368,
0.2973

 5.8467, 0.3846,
0.2377

238.6765, 0.3353,
0.2993

 2.7521, 0.4022,
0.2170

287.9088, 0.3339,

 1.0037, 0.4307,

0.3010

0.1846

343.4845, 0.3328,
0.3025

■ 0.0000, 0.5720,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 54.9673, 0.3488,
0.2819

■ 54.9673, 0.3488,
0.2819

■ 45.7349, 0.3642,
0.2677

■ 66.1018, 0.3357,
0.2965

■ 38.2887, 0.3820,
0.2547

■ 79.2307, 0.3246,
0.3109

■ 32.5115, 0.4019,
0.2441

■ 94.4493, 0.3154,
0.3246

■ 28.2689, 0.4235,
0.2371

100.0000, 0.3127,
0.3290

■ 25.4056, 0.4459,
0.2349

■ 23.7325, 0.4680,
0.2382

■ 23.0973, 0.4822,
0.2430

Harmonies

Analogous

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



54.9673, 0.2961, 0.2566



54.9673, 0.3488, 0.2819



54.9673, 0.3940, 0.3181

Triad

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



54.9673, 0.3488, 0.2819



54.9673, 0.3715, 0.4203



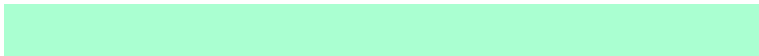
54.9673, 0.2198, 0.2857

Complementary

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



54.9673, 0.3488, 0.2819



84.6685, 0.2878, 0.3817

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.



54.9673, 0.2364, 0.3326



54.9673, 0.3488, 0.2819



54.9673, 0.3225, 0.4175

Square

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



54.9673, 0.3488, 0.2819



54.9673, 0.4063, 0.3964



54.9673, 0.2732, 0.3838



54.9673, 0.2253, 0.2561

Rectangle

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



54.9673, 0.3488, 0.2819



54.9673, 0.4116, 0.3452



54.9673, 0.2732, 0.3838



54.9673, 0.2229, 0.2998

Sweetspot

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



54.9698, 0.3488, 0.2819



84.0654, 0.3214, 0.3155



49.4168, 0.2800, 0.2365



17.5509, 0.3227, 0.3136



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.



54.9698, 0.3488, 0.2819



48.6080, 0.3588, 0.2723



53.0763, 0.3872, 0.3247



18.1516, 0.3209, 0.3162



12.0994, 0.4788, 0.2411



1.2001, 0.4558, 0.2285

Inverse Universe

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



54.9698, 0.3488, 0.2819



48.6080, 0.3588, 0.2723



87.0156, 0.2672, 0.3335



18.1516, 0.3209, 0.3162



12.0994, 0.4788, 0.2411



1.2001, 0.4558, 0.2285

Previews

White Background



This preview shows how the Yxy color 54.9673, 0.3488, 0.2819 looks on a white background.

Color Contrast Check

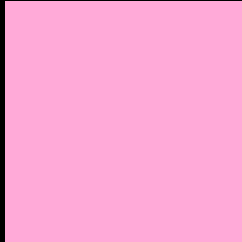
Large Text (above 18pt) WCAG AA × Fail

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 54.9673, 0.3488, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

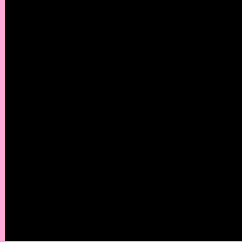
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.9673, 0.3488, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 54.9673, 0.3488, 0.2819.



This preview shows how white text looks on a background with the Yxy color 54.9673, 0.3488, 0.2819.

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

54.9673, 0.3488, 0.2819

Protanopia

55.2286, 0.2824, 0.2844

Deuteranopia

55.4250, 0.3107, 0.3046



Tritanopia

54.9862, 0.3703, 0.3154

Trichromacy



Original Color

54.9673, 0.3488, 0.2819



Protanomaly

54.3350, 0.3044, 0.2827



Deuteranomaly

54.6786, 0.3243, 0.2955



Tritanomaly

54.8470, 0.3626, 0.3029

Monochromacy



Original Color

54.9673, 0.3488, 0.2819



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

56.6553, 0.3258, 0.3109

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.9673, 0.3488, 0.2819 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 170, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 170, 216) }
```

Border

The CSS property to change the border of an element to Yxy 54.9673, 0.3488, 0.2819 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, 216) }
```

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

```
.border{ border-color:rgb(255, 170, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 170, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 170, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 170,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 54.9673, 0.3488, 0.2819 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, 216) }
```

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

```
.background{ background-color: rgb(255,  
170, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor