

Converting Colors

$Y_{xy}(49.8316, 0.3895, 0.3145)$

Have a look what the booklet for
Yxy(49.8316, 0.3895, 0.3145)
contains.

Yxy(49.8449, 0.3894, 0.3145)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(49.8449, 0.3894, 0.3145)

Conversions

Conversions Part 1

Format	Color
Hex	FFA1AF
RGB	255, 161, 175
RGB Percent	100%, 63%, 69%
CMY	0.0001, 0.3685, 0.3137
CMYK	0.00, 0.37, 0.31, 0.00
HSL	351°, 100%, 82%
HSV	351°, 37%, 100%
XYZ	61.7158, 49.8449, 46.9287
YIQ	190.7020, 51.5300, 24.2820

Conversions

Conversions Part 2

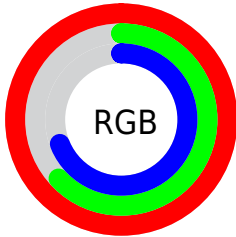
Format	Color
R _Y B	255, 161, 175
Decimal	16753071
CIE Lab	75.97, 36.53, 7.50
CIE LCh	76, 37.291, 11.605
Yxy	49.8449, 0.3894, 0.3145
Android (android.graphics.Color)	4294943151 (0xFFFFA1AF)
YUV	190.7020, -7.7411, 56.3893
Hunter-Lab	70.6009, 32.4841, 10.0104

Details

The Yxy color **49.8449, 0.3894, 0.3145** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.4320, 0.2675, 0.3445**, and the grayscale version is **51.9441, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5989, 0.3315, 0.3161**, and **23.8909, 0.4103, 0.3092** is the 20% darker color. If you saturate the color by 10%, you get **41.0393, 0.4222, 0.3108**, and if you desaturate by 10%, it is **60.6093, 0.3624, 0.3186**.

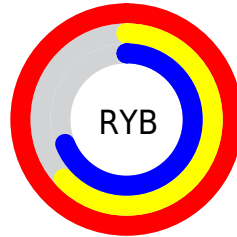
Distribution



Red (100%)

Green (63%)

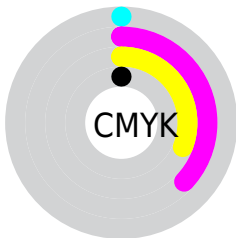
Blue (69%)



Red (100%)

Yellow (63%)

Blue (69%)

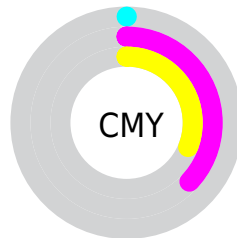


Cyan (0%)

Magenta (37%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (37%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8449, 0.3894, 0.3145 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 49.8449, 0.3894, 0.3145 by changing the saturation by 10% instead.

 49.8449, 0.3894,
0.3145

 49.8449, 0.3894,
0.3145


386.0591, 0.3512,
0.3224

 35.2902, 0.3988,
0.3124


 89.9450, 0.3756,
0.3175

 23.8865, 0.4109,
0.3096


 116.2592, 0.3704,
0.3186

 15.2494, 0.4268,
0.3057


147.2620, 0.3660,
0.3195

 8.9946, 0.4487,
0.3000

183.3379, 0.3622,
0.3202

 4.7377, 0.4805,
0.2912

224.8711, 0.3589,
0.3209

 2.0942, 0.5306,
0.2758

272.2461, 0.3560,

 0.6614, 0.6673,

0.3214

0.2567

325.8473, 0.3535,
0.3219

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.8449, 0.3894,
0.3145

49.8449, 0.3894,
0.3145

41.0393, 0.4222,
0.3108

60.6093, 0.3624,
0.3186

34.0675, 0.4607,
0.3080

73.4330, 0.3404,
0.3226

28.8016, 0.5035,
0.3069

88.4185, 0.3228,
0.3265

25.0940, 0.5473,
0.3082

99.9949, 0.3127,
0.3290

■ 22.7717, 0.5867,
0.3122

■ 21.6172, 0.6160,
0.3187

■ 21.3945, 0.6230,
0.3206

Harmonies

Analogous

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



49.8449, 0.3433, 0.2795



49.8449, 0.3894, 0.3145



49.8449, 0.4133, 0.3546

Triad

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



49.8449, 0.3894, 0.3145



49.8449, 0.3273, 0.4179



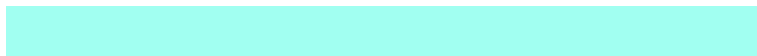
49.8449, 0.2249, 0.2590

Complementary

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



49.8449, 0.3894, 0.3145



85.4320, 0.2675, 0.3445

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.



49.8449, 0.2216, 0.2902



49.8449, 0.3894, 0.3145



49.8449, 0.2781, 0.3873

Square

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



49.8449, 0.3894, 0.3145



49.8449, 0.3749, 0.4177



49.8449, 0.2401, 0.3376



49.8449, 0.2493, 0.2479

Rectangle

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



49.8449, 0.3894, 0.3145



49.8449, 0.4126, 0.3807



49.8449, 0.2401, 0.3376



49.8449, 0.2214, 0.2672

Sweetspot

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



49.8473, 0.3894, 0.3145



81.9474, 0.3296, 0.3249



51.3950, 0.3055, 0.2343



17.1041, 0.3320, 0.3244



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.



49.8473, 0.3894, 0.3145



43.3656, 0.4122, 0.3118



62.3697, 0.3902, 0.3636



18.0311, 0.3271, 0.3255



11.1949, 0.6200, 0.3189



1.1024, 0.5932, 0.3042

Inverse Universe

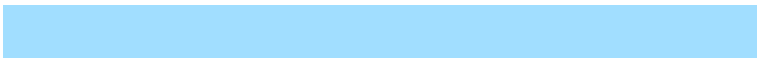
The Inverse Universe completely reimagines the original color for something new.



49.8473, 0.3894, 0.3145



43.3656, 0.4122, 0.3118



67.0877, 0.2556, 0.2912



18.0311, 0.3271, 0.3255



11.1949, 0.6200, 0.3189



1.1024, 0.5932, 0.3042

Previews

White Background



This preview shows how the Yxy color 49.8449, 0.3894, 0.3145 looks on a white background.

Color Contrast Check

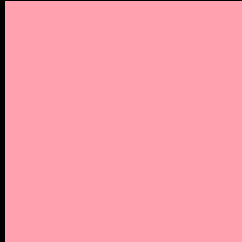
Large Text (above 18pt) WCAG AA × Fail

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 49.8449, 0.3894, 0.3145 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 49.8449, 0.3894, 0.3145

Background



This preview shows how black text looks on a background with the Yxy color 49.8449, 0.3894, 0.3145.



This preview shows how white text looks on a background with the Yxy color 49.8449, 0.3894, 0.3145.

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

49.8449, 0.3894, 0.3145

Protanopia

50.1619, 0.3137, 0.3265

Deuteranopia

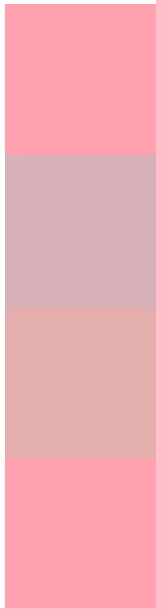
49.9851, 0.3483, 0.3412



Tritanopia

49.7669, 0.3914, 0.3166

Trichromacy



Original Color

49.8449, 0.3894, 0.3145

Protanomaly

49.5976, 0.3395, 0.3219

Deuteranomaly

49.7446, 0.3637, 0.3315

Tritanomaly

49.8057, 0.3904, 0.3155

Monochromacy



Original Color

49.8449, 0.3894, 0.3145

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

50.4414, 0.3383, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8449, 0.3894, 0.3145 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, 161, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 175)  
}
```

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, 161, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 175) }
```

Border

The CSS property to change the border of an element to Yxy 49.8449, 0.3894, 0.3145 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, 161, 175) }
```

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

```
.border{ border-color:rgb(255, 161, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 161, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8449, 0.3894, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 161, 175) }
```

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

```
.background{ background-color: rgb(255,  
161, 175) }
```

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