

Converting Colors

$Y_{xy}(49.5310, 0.3945, 0.3194)$

Have a look what the booklet for
Yxy(49.5310, 0.3945, 0.3194)
contains.

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Color

Yxy(49.6520, 0.3944, 0.3198)

Conversions

Conversions Part 1

Format	Color
Hex	FFA1AA
RGB	255, 161, 170
RGB Percent	100%, 63%, 67%
CMY	0.0001, 0.3686, 0.3334
CMYK	0.00, 0.37, 0.33, 0.00
HSL	354°, 100%, 82%
HSV	354°, 37%, 100%
XYZ	61.2344, 49.6520, 44.3732
YIQ	190.1320, 53.1350, 22.7270

Conversions

Conversions Part 2

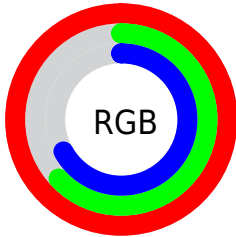
Format	Color
R _Y B	255, 161, 170
Decimal	16753066
CIE Lab	75.86, 35.91, 10.09
CIE LCh	76, 37.303, 15.694
Yxy	49.6520, 0.3944, 0.3198
Android (android.graphics.Color)	4294943146 (0xFFFFA1AA)
YUV	190.1320, -9.9251, 56.8892
Hunter-Lab	70.4642, 31.8067, 11.9884

Details

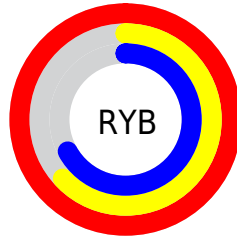
The Yxy color **49.6520, 0.3944, 0.3198** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.7449, 0.2651, 0.3388**, and the grayscale version is **51.6088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3220, 0.3350, 0.3210**, and **23.7689, 0.4173, 0.3159** is the 20% darker color. If you saturate the color by 10%, you get **40.8340, 0.4295, 0.3175**, and if you desaturate by 10%, it is **60.4451, 0.3655, 0.3224**.

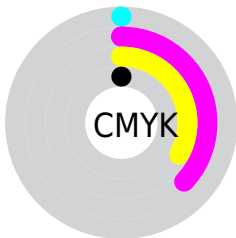
Distribution



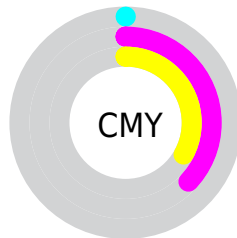
- Red (100%)
- Green (63%)
- Blue (67%)



- Red (100%)
- Yellow (63%)
- Blue (67%)



- Cyan (0%)
- Magenta (37%)
- Yellow (33%)
- Black (0%)




- Cyan (0%)
- Magenta (37%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.6520, 0.3944, 0.3198 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 49.6520, 0.3944, 0.3198 by changing the saturation by 10% instead.


 49.6520, 0.3944,
0.3198


 49.6520, 0.3944,
0.3198


385.3035, 0.3536,
0.3253

 35.1370, 0.4045,
0.3182


 89.6591, 0.3796,
0.3220

 23.7684, 0.4174,
0.3160


 115.9199, 0.3741,
0.3227

 15.1619, 0.4344,
0.3128


146.8647, 0.3694,
0.3234

 8.9331, 0.4578,
0.3080

182.8780, 0.3653,
0.3239

 4.6976, 0.4918,
0.3002

224.3441, 0.3618,
0.3243

 2.0709, 0.5452,
0.2857

271.6475, 0.3588,

 0.6482, 0.7209,

0.3247

0.2790

325.1725, 0.3561,
0.3250

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

49.6520, 0.3944,
0.3198

49.6520, 0.3944,
0.3198

40.8340, 0.4295,
0.3175

60.4451, 0.3655,
0.3224

33.8646, 0.4705,
0.3159

73.3151, 0.3421,
0.3249

28.6143, 0.5158,
0.3155

88.3658, 0.3234,
0.3274

24.9333, 0.5609,
0.3167

99.9971, 0.3127,
0.3290

■ 22.6466, 0.5997,
0.3198

■ 21.5333, 0.6261,
0.3242

■ 21.3244, 0.6317,
0.3254

Harmonies

Analogous

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



49.6520, 0.3504, 0.2836



49.6520, 0.3944, 0.3198



49.6520, 0.4144, 0.3602

Triad

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



49.6520, 0.3944, 0.3198



49.6520, 0.3204, 0.4156



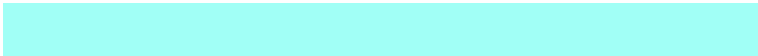
49.6520, 0.2269, 0.2562

Complementary

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



49.6520, 0.3944, 0.3198



85.7449, 0.2651, 0.3388

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.



49.6520, 0.2206, 0.2847



49.6520, 0.3944, 0.3198



49.6520, 0.2719, 0.3813

Square

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



49.6520, 0.3944, 0.3198



49.6520, 0.3691, 0.4196



49.6520, 0.2362, 0.3306



49.6520, 0.2540, 0.2478

Rectangle

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



49.6520, 0.3944, 0.3198



49.6520, 0.4109, 0.3857



49.6520, 0.2362, 0.3306



49.6520, 0.2224, 0.2635

Sweetspot

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



49.6544, 0.3944, 0.3198



81.8629, 0.3306, 0.3264



52.2335, 0.3093, 0.2353



17.0842, 0.3332, 0.3261



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.



49.6544, 0.3944, 0.3198



43.1612, 0.4188, 0.3181



64.4961, 0.3884, 0.3684



18.0152, 0.3279, 0.3268



11.1532, 0.6295, 0.3242



1.0949, 0.6090, 0.3129

Inverse Universe

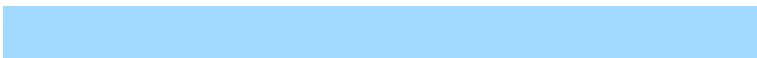
The Inverse Universe completely reimagines the original color for something new.



49.6544, 0.3944, 0.3198



43.1612, 0.4188, 0.3181



64.6291, 0.2548, 0.2856



18.0152, 0.3279, 0.3268



11.1532, 0.6295, 0.3242



1.0949, 0.6090, 0.3129

Previews

White Background



This preview shows how the Yxy color 49.6520, 0.3944, 0.3198 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 49.6520, 0.3944, 0.3198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

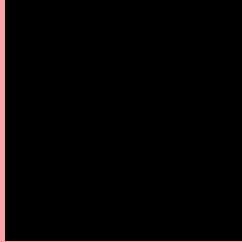
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.6520, 0.3944, 0.3198

Background



This preview shows how black text looks on a background with the Yxy color 49.6520, 0.3944, 0.3198.



This preview shows how white text looks on a background with the Yxy color 49.6520, 0.3944, 0.3198.

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

49.6520, 0.3944, 0.3198

Protanopia

50.0777, 0.3184, 0.3328

Deuteranopia

49.9471, 0.3535, 0.3473



Tritanopia

49.7669, 0.3914, 0.3166

Trichromacy



Original Color

49.6520, 0.3944, 0.3198



Protanomaly

49.3916, 0.3438, 0.3279



Deuteranomaly

49.5561, 0.3682, 0.3373



Tritanomaly

49.7283, 0.3924, 0.3177

Monochromacy



Original Color

49.6520, 0.3944, 0.3198



Achromatopsia

51.4918, 0.3127, 0.3290



Achromatomaly

49.9552, 0.3402, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.6520, 0.3944, 0.3198 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(255, 161, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 161, 170) }
```

Border

The CSS property to change the border of an element to Yxy 49.6520, 0.3944, 0.3198 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, 170) }
```

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

```
.border{ border-color:rgb(255, 161, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 161, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 161, 170);  
box-shadow:4px 4px 4px 4px rgb(255, 161,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 49.6520, 0.3944, 0.3198 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, 170) }
```

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

```
.background{ background-color: rgb(255,  
161, 170) }
```

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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