

# Converting Colors

$Yxy(24.5877, 0.3680, 0.3286)$

Have a look what the booklet for  
Yxy(24.5877, 0.3680, 0.3286)  
contains.

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**Color**

**Yxy(24.6939, 0.3681, 0.3292)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA7D7D
RGB	170, 125, 125
RGB Percent	67%, 49%, 49%
CMY	0.3333, 0.5098, 0.5099
CMYK	0.00, 0.26, 0.26, 0.33
HSL	0°, 21%, 58%
HSV	0°, 26%, 67%
XYZ	27.6119, 24.6939, 22.7061
YIQ	138.4550, 26.8200, 9.5400

# Conversions

## Conversions Part 2

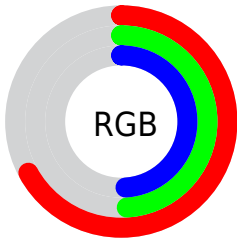
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 125, 125
Decimal	11173245
CIE Lab	56.78, 17.46, 6.87
CIE LCh	57, 18.763, 21.491
Yxy	24.6939, 0.3681, 0.3292
Android (android.graphics.Color)	4289363325 (0xFFAA7D7D)
YUV	138.4550, -6.6333, 27.6650
Hunter-Lab	49.6930, 12.2207, 7.6938

# Details

The Yxy color  $24.6939, 0.3681, 0.3292$  is a dark color, and the websafe version is hex  $996666$ . A complement of this color would be  $36.0008, 0.2748, 0.3288$ , and the grayscale version is  $25.6169, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $51.2239, 0.3554, 0.3291$ , and  $9.4726, 0.3901, 0.3292$  is the 20% darker color. If you saturate the color by 10%, you get  $20.3569, 0.3987, 0.3293$ , and if you desaturate by 10%, it is  $29.8434, 0.3433, 0.3291$ .

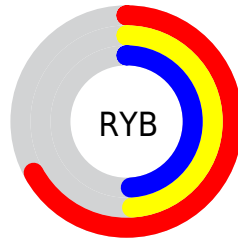
# Distribution



Red (67%)

Green (49%)

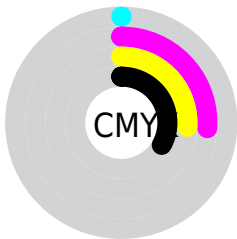
Blue (49%)



Red (67%)

Yellow (49%)

Blue (49%)

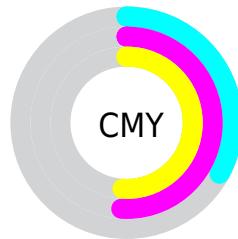


Cyan (0%)

Magenta (26%)

Yellow (26%)

Black (33%)



Cyan (33%)

Magenta (51%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.6939, 0.3681, 0.3292 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 24.6939, 0.3681, 0.3292 by changing the saturation by 10% instead.





 24.6939, 0.3681,  
0.3292


 24.6939, 0.3681,  
0.3292


276.3101, 0.3372,  
0.3296


 15.8491, 0.3771,  
0.3289


 51.1602, 0.3560,  
0.3295

 9.4175, 0.3894,  
0.3282


 69.5505, 0.3518,  
0.3296

 5.0145, 0.4076,  
0.3269

 91.8915, 0.3483,  
0.3296

 2.2558, 0.4369,  
0.3240

118.5676, 0.3453,  
0.3296

 0.7501, 0.5197,  
0.3316

149.9631, 0.3428,  
0.3296

 0.0000, 1.0000,  
0.0000

186.4624, 0.3407,


 0.0000, 0.0000,


0.3296


0.0000

228.4499, 0.3389,  
0.3296

 24.6939, 0.3681,  
0.3292


 24.6939, 0.3681,  
0.3292


 20.3569, 0.3987,  
0.3293


 29.8434, 0.3433,  
0.3291


 16.7877, 0.4358,  
0.3294


 35.8403, 0.3234,  
0.3290


 13.9426, 0.4790,  
0.3296


 42.7215, 0.3075,  
0.3290

 11.7721, 0.5260,  
0.3297


 50.5209, 0.2947,  
0.3289

 10.2205, 0.5719,  
0.3298


 59.2704, 0.2844,  
0.3289

 9.2233, 0.6095,  
0.3299

 69.0006, 0.2759,  
0.3289

 8.6911, 0.6332,  
0.3300

 79.7405, 0.2690,  
0.3288

 8.5483, 0.6400,  
0.3300

 87.2862, 0.2652,  
0.3289

# Harmonies

## Analogous

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



24.6939, 0.3430, 0.3038



24.6939, 0.3681, 0.3292



24.6939, 0.3774, 0.3558

# Triad

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



24.6939, 0.3681, 0.3292



24.6939, 0.3124, 0.3795



24.6939, 0.2591, 0.2799

# Complementary

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



24.6939, 0.3681, 0.3292



36.0008, 0.2748, 0.3288

# 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.



24.6939, 0.2520, 0.2971



24.6939, 0.3681, 0.3292



24.6939, 0.2817, 0.3559

# Square

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



24.6939, 0.3681, 0.3292



24.6939, 0.3442, 0.3870



24.6939, 0.2600, 0.3249



24.6939, 0.2799, 0.2760



# Rectangle

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



24.6939, 0.3681, 0.3292



24.6939, 0.3733, 0.3712



24.6939, 0.2600, 0.3249



24.6939, 0.2551, 0.2842

# Sweetspot

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



24.6951, 0.3681, 0.3292



63.1096, 0.3264, 0.3291



26.1106, 0.3157, 0.2645



13.7018, 0.3292, 0.3291



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.6951, 0.3681, 0.3292



39.8364, 0.3860, 0.3293



31.0466, 0.3597, 0.3627



7.5430, 0.3286, 0.3291



6.2884, 0.6400, 0.3300



0.1532, 0.6398, 0.3302



# Inverse Universe

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



36.0008, 0.2748, 0.3288



63.9727, 0.2671, 0.3288



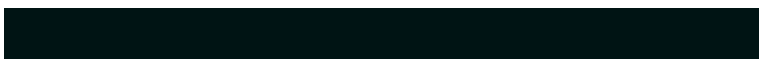
28.2811, 0.2714, 0.2927



8.5313, 0.2987, 0.3289



23.2566, 0.2246, 0.3286



0.5661, 0.2246, 0.3286



# Previews

## White Background



This preview shows how the Yxy color 24.6939, 0.3681, 0.3292 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.6939, 0.3681, 0.3292 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

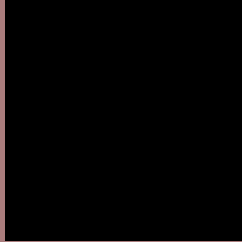
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.6939, 0.3681, 0.3292**

## Background



This preview shows how black text looks on a background with the Yxy color 24.6939, 0.3681, 0.3292.



This preview shows how white text looks on a background with the Yxy color 24.6939, 0.3681, 0.3292.

# 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

24.6939, 0.3681, 0.3292

### Protanopia

24.8225, 0.3224, 0.3375

### Deuteranopia

24.8278, 0.3474, 0.3421



## Tritanopia

24.7667, 0.3598, 0.3156

# Trichromacy



## Original Color

24.6939, 0.3681, 0.3292

## Protanomaly

24.6668, 0.3382, 0.3340

## Deuteranomaly

24.6293, 0.3556, 0.3371

## Tritanomaly

24.6849, 0.3635, 0.3201

# Monochromacy



## Original Color

24.6939, 0.3681, 0.3292

## Achromatopsia

25.4152, 0.3127, 0.3290

## Achromatomaly

24.9525, 0.3323, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.6939, 0.3681, 0.3292 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(170, 125, 125)` looks like.

```
.text, #text, p{  
    color:rgb(170, 125, 125)  
}
```

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(170, 125, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 125, 125) }
```

## Border

The CSS property to change the border of an element to Yxy 24.6939, 0.3681, 0.3292 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(170, 125, 125) }
```

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

```
.border{ border-color:rgb(170, 125, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 125, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 125, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 125, 125);  
box-shadow:4px 4px 4px 4px rgb(170, 125,  
125) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.6939, 0.3681, 0.3292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 125, 125) }
```

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

```
.background{ background-color: rgb(170,  
125, 125) }
```

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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