

# Converting Colors

$Y_{xy}(42.5221, 0.3120, 0.2977)$

Have a look what the booklet for  
Yxy(42.5221, 0.3120, 0.2977)  
contains.

<b>Yxy(42.3904, 0.3124, 0.2971)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(42.3904, 0.3124, 0.2971)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BEA7C0
RGB	190, 167, 192
RGB Percent	75%, 65%, 75%
CMY	0.2548, 0.3451, 0.2470
CMYK	0.01, 0.13, 0.00, 0.25
HSL	295°, 17%, 70%
HSV	295°, 13%, 75%
XYZ	44.5734, 42.3904, 55.7168
YIQ	176.7270, 5.6830, 12.6510

# Conversions

## Conversions Part 2

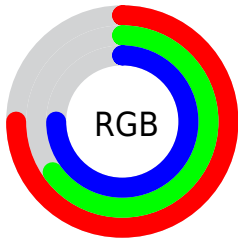
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	190, 167, 192
Decimal	12494784
CIE Lab	71.14, 12.86, -9.73
CIE LCh	71, 16.128, 322.894
Yxy	42.3904, 0.3124, 0.2971
Android (android.graphics.Color)	4290684864 (0xFFBEA7C0)
YUV	176.7270, 7.5296, 11.6404
Hunter-Lab	65.1079, 8.2637, -5.1625

# Details

The Yxy color  $42.3904, 0.3124, 0.2971$  is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be  $48.9364, 0.3128, 0.3627$ , and the grayscale version is  $43.7757, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $78.6127, 0.3125, 0.3031$ , and  $19.4439, 0.3122, 0.2876$  is the 20% darker color. If you saturate the color by 10%, you get  $35.6737, 0.3119, 0.2719$ , and if you desaturate by 10%, it is  $50.1575, 0.3127, 0.3217$ .

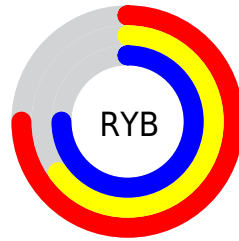
# Distribution



Red (75%)

Green (65%)

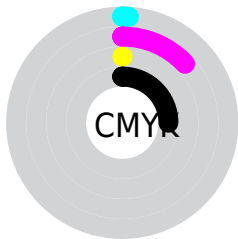
Blue (75%)



Red (75%)

Yellow (65%)

Blue (75%)

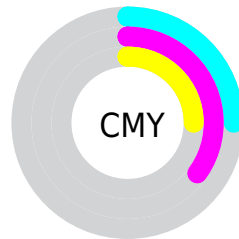


Cyan (1%)

Magenta (13%)

Yellow (0%)

Black (25%)



Cyan (25%)

Magenta (35%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3904, 0.3124, 0.2971 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 42.3904, 0.3124, 0.2971 by changing the saturation by 10% instead.





 42.3904, 0.3124,  
0.2971


 42.3904, 0.3124,  
0.2971


356.0988, 0.3127,  
0.3129

 29.4071, 0.3123,  
0.2932


 78.7901, 0.3126,  
0.3028

 19.3890, 0.3121,  
0.2882


 102.9754, 0.3126,  
0.3050

 11.9517, 0.3118,  
0.2816


131.6634, 0.3126,  
0.3068

 6.7108, 0.3112,  
0.2724

165.2385, 0.3127,  
0.3084

 3.2819, 0.3103,  
0.2589

204.0853, 0.3127,  
0.3097

 1.2806, 0.3081,  
0.2370

248.5880, 0.3127,

 0.1261, 0.3150,

0.3109

0.0916

299.1310, 0.3127,  
0.3120

0.0000, 0.0000,  
0.0000

42.3904, 0.3124,  
0.2971

42.3904, 0.3124,  
0.2971

35.6737, 0.3119,  
0.2719

50.1575, 0.3127,  
0.3217

29.9562, 0.3112,  
0.2467

59.0126, 0.3128,  
0.3452

25.1901, 0.3103,  
0.2225

68.9981, 0.3127,  
0.3673

21.3222, 0.3091,  
0.2002

80.1526, 0.3126,  
0.3877

18.2937, 0.3076,  
0.1808

87.2956, 0.3129,  
0.3988

■ 16.0386, 0.3060,  
0.1650

■ 87.5058, 0.3138,  
0.3986

■ 14.4816, 0.3041,  
0.1535

■ 87.7182, 0.3148,  
0.3984

■ 13.5317, 0.3022,  
0.1463

■ 87.9327, 0.3157,  
0.3982

■ 13.1079, 0.3008,  
0.1431

■ 88.1494, 0.3167,  
0.3980

# Harmonies

## Analogous

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



42.3904, 0.2901, 0.2904



42.3904, 0.3124, 0.2971



42.3904, 0.3356, 0.3115

# Triad

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



42.3904, 0.3124, 0.2971



42.3904, 0.3521, 0.3647



42.3904, 0.2740, 0.3254

# Complementary

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



42.3904, 0.3124, 0.2971



48.9364, 0.3128, 0.3627

# 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.



42.3904, 0.2896, 0.3472



42.3904, 0.3124, 0.2971



42.3904, 0.3346, 0.3703

# Square

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



42.3904, 0.3124, 0.2971



42.3904, 0.3590, 0.3498



42.3904, 0.3117, 0.3641



42.3904, 0.2685, 0.3057



# Rectangle

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



42.3904, 0.3124, 0.2971



42.3904, 0.3482, 0.3239



42.3904, 0.3117, 0.3641



42.3904, 0.2782, 0.3328

# Sweetspot

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



42.3922, 0.3124, 0.2971



89.3171, 0.3126, 0.3192



40.4285, 0.2923, 0.2980



18.9209, 0.3126, 0.3174



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



42.3922, 0.3124, 0.2971



72.6653, 0.3123, 0.2890



42.2067, 0.3232, 0.3103



10.2051, 0.3125, 0.3062



8.8334, 0.3010, 0.1432



0.3941, 0.3057, 0.1458

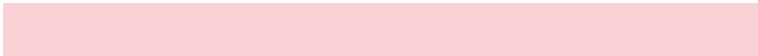


# Inverse Universe

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



41.7107, 0.3344, 0.3264



71.1678, 0.3408, 0.3258



49.1173, 0.3035, 0.3485



10.0907, 0.3277, 0.3272



7.5696, 0.6300, 0.3244



0.3316, 0.5961, 0.3058



# Previews

## White Background



This preview shows how the Yxy color 42.3904, 0.3124, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

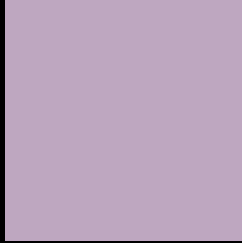
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3904, 0.3124, 0.2971 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

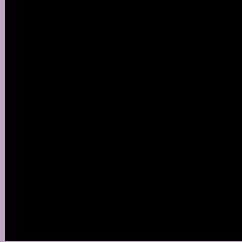
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.3904, 0.3124, 0.2971**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.3904, 0.3124, 0.2971.



This preview shows how white text looks on a background with the Yxy color 42.3904, 0.3124, 0.2971.

# 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

42.3904, 0.3124, 0.2971

### Protanopia

42.5306, 0.2927, 0.2985

### Deuteranopia

42.2490, 0.3061, 0.2992



## Tritanopia

42.5721, 0.3199, 0.3122

# Trichromacy



## Original Color

42.3904, 0.3124, 0.2971

## Protanomaly

42.5309, 0.2993, 0.2977

## Deuteranomaly

42.2501, 0.3088, 0.2981

## Tritanomaly

42.3693, 0.3165, 0.3058

# Monochromacy



## Original Color

42.3904, 0.3124, 0.2971

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.2096, 0.3133, 0.3172

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3904, 0.3124, 0.2971 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(190, 167, 192)` looks like.

```
.text, #text, p{  
    color:rgb(190, 167, 192)  
}
```

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(190, 167, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 167, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3904, 0.3124, 0.2971 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(190, 167, 192) }
```

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

```
.border{ border-color:rgb(190, 167, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 167, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 167, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 167, 192);  
box-shadow:4px 4px 4px 4px rgb(190, 167,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3904, 0.3124, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 167, 192) }
```

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

```
.background{ background-color: rgb(190,  
167, 192) }
```

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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