

# Converting Colors

$Y_{xy}(32.5020, 0.3057, 0.2503)$

Have a look what the booklet for  
Yxy(32.5020, 0.3057, 0.2503)  
contains.

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**Color**

**Yxy(32.5333, 0.3054, 0.2507)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB89C6
RGB	187, 137, 198
RGB Percent	73%, 54%, 78%
CMY	0.2666, 0.4627, 0.2236
CMYK	0.06, 0.31, 0.00, 0.22
HSL	289°, 35%, 66%
HSV	289°, 31%, 78%
XYZ	39.6317, 32.5333, 57.6048
YIQ	158.9040, 10.2190, 29.5710

# Conversions

## Conversions Part 2

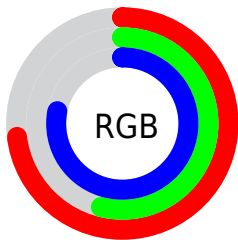
<b>Format</b>	<b>Color</b>
<b>RYB</b>	187, 137, 198
Decimal	12290502
CIELab	63.78, 29.66, -24.20
CIELCh	64, 38.279, 320.781
Yxy	32.5333, 0.3054, 0.2507
Android (android.graphics.Color)	4290480582 (0xFFBB89C6)
YUV	158.9040, 19.2743, 24.6402
Hunter-Lab	57.0380, 24.2108, -19.9527

# Details

The Yxy color **32.5333, 0.3054, 0.2507** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.4794, 0.3169, 0.4162**, and the grayscale version is **34.5325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7147, 0.3074, 0.2647**, and **13.6557, 0.3018, 0.2285** is the 20% darker color. If you saturate the color by 10%, you get **26.9691, 0.3020, 0.2249**, and if you desaturate by 10%, it is **39.1442, 0.3083, 0.2768**.

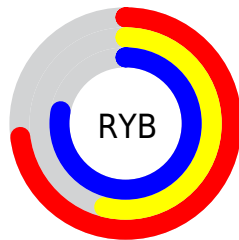
# Distribution



Red (73%)

Green (54%)

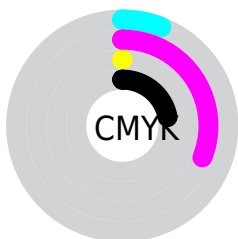
Blue (78%)



Red (73%)

Yellow (54%)

Blue (78%)

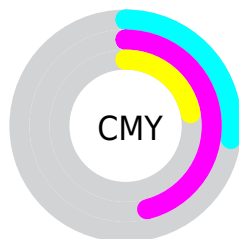


Cyan (6%)

Magenta (31%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (46%)


Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5333, 0.3054, 0.2507 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 32.5333, 0.3054, 0.2507 by changing the saturation by 10% instead.




 32.5333, 0.3054,  
0.2507


 32.5333, 0.3054,  
0.2507


313.5415, 0.3101,  
0.2896


 21.7692, 0.3039,  
0.2411


 63.6462, 0.3074,  
0.2648

 13.6874, 0.3017,  
0.2289


 84.7638, 0.3080,  
0.2701

 7.9036, 0.2985,  
0.2130


 110.1013, 0.3086,  
0.2746

 4.0333, 0.2933,  
0.1912

140.0431, 0.3090,  
0.2784

 1.6922, 0.2841,  
0.1602

174.9736, 0.3094,  
0.2818

 0.4186, 0.2702,  
0.0980

215.2773, 0.3097,


 0.0000, 0.0688,


0.2847


0.0000


261.3384, 0.3099,  
0.2873

 0.0000, 0.0000,  
0.0000


 32.5333, 0.3054,  
0.2507

 32.5333, 0.3054,  
0.2507


 26.9691, 0.3020,  
0.2249


 39.1442, 0.3083,  
0.2768


 22.3907, 0.2982,  
0.2005


 46.8499, 0.3107,  
0.3025


 18.7374, 0.2939,  
0.1784


 55.7006, 0.3126,  
0.3271


 15.9403, 0.2894,  
0.1597


 65.7421, 0.3141,  
0.3503

 13.9202, 0.2846,  
0.1452


 77.0178, 0.3153,  
0.3718

 12.5835, 0.2799,  
0.1351

 89.0619, 0.3162,  
0.3907

 11.7951, 0.2755,  
0.1292

 89.5854, 0.3184,  
0.3903

 90.1205, 0.3207,  
0.3899

 90.6674, 0.3230,  
0.3895

# Harmonies

## Analogous

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



32.5333, 0.2514, 0.2355



32.5333, 0.3054, 0.2507



32.5333, 0.3670, 0.2824

# Triad

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



32.5333, 0.3054, 0.2507



32.5333, 0.4145, 0.4136



32.5333, 0.2185, 0.3197

# Complementary

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



32.5333, 0.3054, 0.2507



48.4794, 0.3169, 0.4162

# 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.



32.5333, 0.2559, 0.3817



32.5333, 0.3054, 0.2507



32.5333, 0.3689, 0.4380

# Square

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



32.5333, 0.3054, 0.2507



32.5333, 0.4331, 0.3716



32.5333, 0.3106, 0.4284



32.5333, 0.2053, 0.2689



# Rectangle

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



32.5333, 0.3054, 0.2507



32.5333, 0.4023, 0.3101



32.5333, 0.3106, 0.4284



32.5333, 0.2285, 0.3402

# Sweetspot

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



32.5347, 0.3054, 0.2507



85.4465, 0.3110, 0.3067



30.6323, 0.2606, 0.2565



17.8201, 0.3107, 0.3029



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.



32.5347, 0.3054, 0.2507



50.7687, 0.3032, 0.2332



33.1370, 0.3355, 0.2756



10.7164, 0.3110, 0.3060



7.7062, 0.2762, 0.1295



0.3908, 0.2860, 0.1349



# Inverse Universe

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



32.0330, 0.3690, 0.3146



49.8270, 0.3869, 0.3114



48.1091, 0.2956, 0.3892



10.6676, 0.3262, 0.3249



7.8982, 0.6107, 0.3138

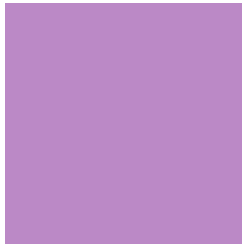


0.3838, 0.5552, 0.2832



# Previews

## White Background



This preview shows how the Yxy color 32.5333, 0.3054, 0.2507 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

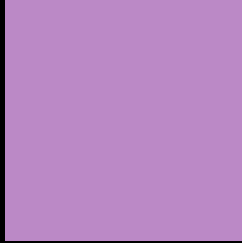
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 32.5333, 0.3054, 0.2507 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

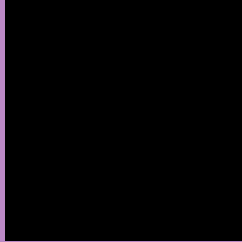
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 32.5333, 0.3054, 0.2507**

## **Background**



This preview shows how black text looks on a background with the Yxy color 32.5333, 0.3054, 0.2507.



This preview shows how white text looks on a background with the Yxy color 32.5333, 0.3054, 0.2507.

# 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

32.5333, 0.3054, 0.2507

### Protanopia

32.8389, 0.2540, 0.2490

### Deuteranopia

32.7862, 0.2734, 0.2677



## Tritanopia

32.4749, 0.3398, 0.3137

# Trichromacy



**Original Color**

32.5333, 0.3054, 0.2507

**Protanomaly**

32.3916, 0.2705, 0.2483

**Deuteranomaly**

32.6395, 0.2845, 0.2615

**Tritanomaly**

32.3536, 0.3271, 0.2895

# Monochromacy



**Original Color**

32.5333, 0.3054, 0.2507

**Achromatopsia**

34.6704, 0.3127, 0.3290

**Achromatomaly**

33.5854, 0.3102, 0.2979

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 32.5333, 0.3054, 0.2507 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(187, 137, 198)` looks like.

```
.text, #text, p{  
    color:rgb(187, 137, 198)  
}
```

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(187, 137, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 137, 198) }
```

## Border

The CSS property to change the border of an element to Yxy 32.5333, 0.3054, 0.2507 is called "border". The border property can be set on classes, ids or directly on the HTML element.

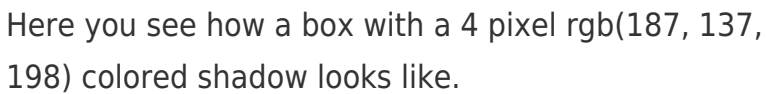
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 137, 198) }
```

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

```
.border{ border-color:rgb(187, 137, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 137, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 137, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 137, 198);  
box-shadow:4px 4px 4px 4px rgb(187, 137,  
198) }
```



# Background

The CSS property to change the background color of an element to Yxy 32.5333, 0.3054, 0.2507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 137, 198) }
```

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

```
.background{ background-color: rgb(187,  
137, 198) }
```

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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