

Converting Colors

$Y_{xy}(36.6320, 0.3258, 0.2974)$

Have a look what the booklet for
Yxy(36.6320, 0.3258, 0.2974)
contains.

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Color

Yxy(36.7756, 0.3260, 0.2974)

Conversions

Conversions Part 1

Format	Color
Hex	BD99B1
RGB	189, 153, 177
RGB Percent	74%, 60%, 69%
CMY	0.2588, 0.4000, 0.3059
CMYK	0.00, 0.19, 0.06, 0.26
HSL	320°, 21%, 67%
HSV	320°, 19%, 74%
XYZ	40.3122, 36.7756, 46.5692
YIQ	166.5000, 13.7520, 15.0960

Conversions

Conversions Part 2

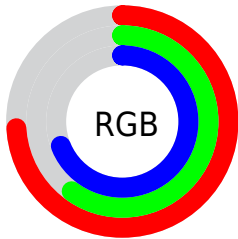
Format	Color
RYB	189, 153, 177
Decimal	12425649
CIELab	67.11, 17.44, -7.40
CIELCh	67, 18.945, 337.018
Yxy	36.7756, 0.3260, 0.2974
Android (android.graphics.Color)	4290615729 (0xFFBD99B1)
YUV	166.5000, 5.1765, 19.7325
Hunter-Lab	60.6429, 12.5323, -3.0803

Details

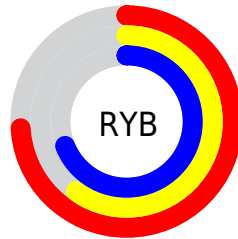
The Yxy color **36.7756, 0.3260, 0.2974** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8824, 0.3015, 0.3628**, and the grayscale version is **38.3580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.1017, 0.3237, 0.3024**, and **16.1089, 0.3300, 0.2892** is the 20% darker color. If you saturate the color by 10%, you get **30.8270, 0.3348, 0.2801**, and if you desaturate by 10%, it is **43.7189, 0.3185, 0.3143**.

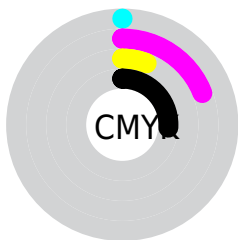
Distribution



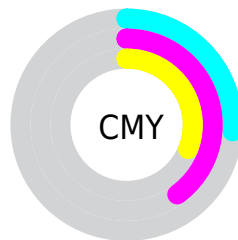
- Red (74%)
- Green (60%)
- Blue (69%)



- Red (74%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (19%)
- Yellow (6%)
- Black (26%)




- Cyan (26%)
- Magenta (40%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7756, 0.3260, 0.2974 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 36.7756, 0.3260, 0.2974 by changing the saturation by 10% instead.


 36.7756, 0.3260,
0.2974


 36.7756, 0.3260,
0.2974


332.3380, 0.3193,
0.3134

 25.0338, 0.3277,
0.2933


 70.2275, 0.3235,
0.3033

 16.1022, 0.3299,
0.2881


 92.7064, 0.3226,
0.3055

 9.5965, 0.3328,
0.2810


119.5332, 0.3219,
0.3073

 5.1323, 0.3370,
0.2709

151.0921, 0.3212,
0.3089

 2.3251, 0.3433,
0.2556

187.7677, 0.3206,
0.3103

 0.7869, 0.3543,
0.2287

229.9442, 0.3201,

 0.0000, 0.4188,

0.3115

0.0000

278.0062, 0.3197,
0.3125

0.0000, 0.0000,
0.0000

36.7756, 0.3260,
0.2974

36.7756, 0.3260,
0.2974

30.8270, 0.3348,
0.2801

43.7189, 0.3185,
0.3143

25.8221, 0.3449,
0.2629

51.6952, 0.3122,
0.3305

21.7126, 0.3565,
0.2467

60.7466, 0.3068,
0.3457

18.4441, 0.3693,
0.2323

70.9117, 0.3024,
0.3599

15.9560, 0.3830,
0.2209

82.2267, 0.2987,
0.3730

■ 14.1799, 0.3974,
0.2134

■ 87.2336, 0.2953,
0.3735

■ 13.0350, 0.4119,
0.2108

■ 87.5633, 0.2920,
0.3663

■ 12.3798, 0.4261,
0.2126

■ 87.9055, 0.2887,
0.3591

■ 12.3248, 0.4275,
0.2129

■ 88.2605, 0.2854,
0.3521

Harmonies

Analogous

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



36.7756, 0.2970, 0.2845



36.7756, 0.3260, 0.2974



36.7756, 0.3523, 0.3180

Triad

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



36.7756, 0.3260, 0.2974



36.7756, 0.3523, 0.3779



36.7756, 0.2605, 0.3120

Complementary

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



36.7756, 0.3260, 0.2974



45.8824, 0.3015, 0.3628

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.



36.7756, 0.2740, 0.3389



36.7756, 0.3260, 0.2974



36.7756, 0.3265, 0.3785

Square

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



36.7756, 0.3260, 0.2974



36.7756, 0.3677, 0.3639



36.7756, 0.2979, 0.3640



36.7756, 0.2603, 0.2916

Rectangle

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



36.7756, 0.3260, 0.2974



36.7756, 0.3643, 0.3338



36.7756, 0.2979, 0.3640



36.7756, 0.2636, 0.3206

Sweetspot

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



36.7772, 0.3260, 0.2974



82.3182, 0.3165, 0.3192



34.3940, 0.2919, 0.2791



17.5086, 0.3169, 0.3181



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



36.7772, 0.3260, 0.2974



61.0483, 0.3296, 0.2899



36.1271, 0.3429, 0.3202



9.6407, 0.3187, 0.3138



8.3077, 0.4258, 0.2119



0.3371, 0.3948, 0.1949

Inverse Universe

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



36.7772, 0.3260, 0.2974



61.0483, 0.3296, 0.2899



46.5596, 0.2891, 0.3380



9.6407, 0.3187, 0.3138



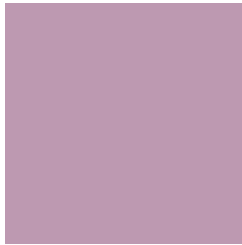
8.3077, 0.4258, 0.2119



0.3371, 0.3948, 0.1949

Previews

White Background



This preview shows how the Yxy color 36.7756, 0.3260, 0.2974 looks on a white background.

Color Contrast Check

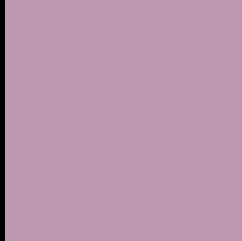
Large Text (above 18pt) WCAG AA × Fail

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 36.7756, 0.3260, 0.2974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

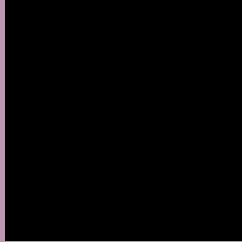
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7756, 0.3260, 0.2974

Background



This preview shows how black text looks on a background with the Yxy color 36.7756, 0.3260, 0.2974.



This preview shows how white text looks on a background with the Yxy color 36.7756, 0.3260, 0.2974.

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

36.7756, 0.3260, 0.2974

Protanopia

36.8366, 0.2940, 0.2995

Deuteranopia

36.9295, 0.3119, 0.3056



Tritanopia

36.9241, 0.3343, 0.3130

Trichromacy



Original Color

36.7756, 0.3260, 0.2974

Protanomaly

36.7904, 0.3047, 0.2987

Deuteranomaly

36.8322, 0.3168, 0.3032

Tritanomaly

36.7428, 0.3306, 0.3064

Monochromacy



Original Color

36.7756, 0.3260, 0.2974

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

37.8949, 0.3171, 0.3166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7756, 0.3260, 0.2974 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(189, 153, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 153, 177)  
}
```

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(189, 153, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 153, 177) }
```

Border

The CSS property to change the border of an element to Yxy 36.7756, 0.3260, 0.2974 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(189, 153, 177) }
```

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

```
.border{ border-color:rgb(189, 153, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 153, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 153, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 153, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 153,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7756, 0.3260, 0.2974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 153, 177) }
```

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

```
.background{ background-color: rgb(189,  
153, 177) }
```

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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