

# Converting Colors

$Yxy(36.6776, 0.3147, 0.2961)$

Have a look what the booklet for  
Yxy(36.6776, 0.3147, 0.2961)  
contains.

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# Color

**Yxy(36.7755, 0.3142, 0.2967)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B49CB4
RGB	180, 156, 180
RGB Percent	71%, 61%, 71%
CMY	0.2942, 0.3882, 0.2941
CMYK	0.00, 0.13, 0.00, 0.29
HSL	300°, 14%, 66%
HSV	300°, 13%, 71%
XYZ	38.9446, 36.7755, 48.2283
YIQ	165.9120, 6.6000, 12.5520

# Conversions

## Conversions Part 2

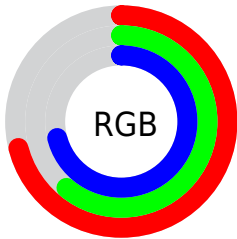
Format	Color
R <sub>Y</sub> B	180, 156, 180
Decimal	11836596
CIE Lab	67.11, 13.14, -9.17
CIE LCh	67, 16.024, 325.111
Yxy	36.7755, 0.3142, 0.2967
Android (android.graphics.Color)	4290026676 (0xFFB49CB4)
YUV	165.9120, 6.9454, 12.3552
Hunter-Lab	60.6428, 8.5072, -4.7025

# Details

The Yxy color **36.7755, 0.3142, 0.2967** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.1181, 0.3111, 0.3636**, and the grayscale version is **38.0516, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.4775, 0.3139, 0.3030**, and **16.1475, 0.3146, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **31.1733, 0.3153, 0.2720**, and if you desaturate by 10%, it is **43.2761, 0.3131, 0.3211**.

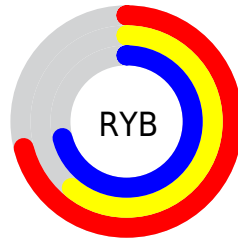
# Distribution



Red (71%)

Green (61%)

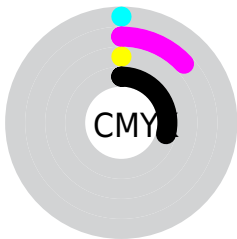
Blue (71%)



Red (71%)

Yellow (61%)

Blue (71%)

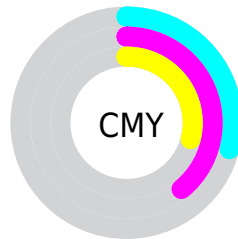


Cyan (0%)

Magenta (13%)

Yellow (0%)

Black (29%)



Cyan (29%)

Magenta (39%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 36.7755, 0.3142, 0.2967 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 36.7755, 0.3142, 0.2967 by changing the saturation by 10% instead.





 36.7755, 0.3142,  
0.2967


 36.7755, 0.3142,  
0.2967


332.3375, 0.3136,  
0.3131

 25.0337, 0.3143,  
0.2925


 70.2274, 0.3140,  
0.3027

 16.1022, 0.3144,  
0.2871


 92.7062, 0.3139,  
0.3050

 9.5965, 0.3145,  
0.2798


119.5329, 0.3139,  
0.3068

 5.1322, 0.3145,  
0.2695

151.0919, 0.3138,  
0.3085

 2.3251, 0.3142,  
0.2538

187.7674, 0.3137,  
0.3099

 0.7869, 0.3133,  
0.2262

229.9439, 0.3137,

 0.0000, 0.0537,

0.3111

0.0000

278.0058, 0.3136,  
0.3122

0.0000, 0.0000,  
0.0000

36.7755, 0.3142,  
0.2967

36.7755, 0.3142,  
0.2967

31.1733, 0.3153,  
0.2720

43.2761, 0.3131,  
0.3211

26.4256, 0.3164,  
0.2477

50.7072, 0.3120,  
0.3445

22.4918, 0.3175,  
0.2246

59.1052, 0.3110,  
0.3667

19.3262, 0.3184,  
0.2038

68.5029, 0.3100,  
0.3874

16.8786, 0.3192,  
0.1860

78.9319, 0.3091,  
0.4064

■ 15.0927, 0.3198,  
0.1719

■ 84.5333, 0.3087,  
0.4153

■ 13.9040, 0.3203,  
0.1620

■ 84.5362, 0.3088,  
0.4153

■ 13.2352, 0.3205,  
0.1563

■ 84.5391, 0.3088,  
0.4152

■ 12.9701, 0.3206,  
0.1540

■ 84.5421, 0.3088,  
0.4152

# Harmonies

## Analogous

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



36.7755, 0.2907, 0.2890



36.7755, 0.3142, 0.2967



36.7755, 0.3382, 0.3122

# Triad

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



36.7755, 0.3142, 0.2967



36.7755, 0.3528, 0.3669



36.7755, 0.2716, 0.3235

# Complementary

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



36.7755, 0.3142, 0.2967



42.1181, 0.3111, 0.3636

# 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.



36.7755, 0.2871, 0.3464



36.7755, 0.3142, 0.2967



36.7755, 0.3339, 0.3721

# Square

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



36.7755, 0.3142, 0.2967



36.7755, 0.3609, 0.3520



36.7755, 0.3098, 0.3646



36.7755, 0.2668, 0.3034



# Rectangle

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



36.7755, 0.3142, 0.2967



36.7755, 0.3509, 0.3252



36.7755, 0.3098, 0.3646



36.7755, 0.2757, 0.3312

# Sweetspot

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



36.7771, 0.3142, 0.2967



77.5343, 0.3132, 0.3193



34.2807, 0.2918, 0.2950



16.5576, 0.3132, 0.3175



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



36.7771, 0.3142, 0.2967



63.5221, 0.3145, 0.2894



36.3279, 0.3249, 0.3121



8.6461, 0.3137, 0.3066



9.0520, 0.3206, 0.1540



0.2850, 0.3207, 0.1540



# Inverse Universe

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



35.8874, 0.3367, 0.3290



61.5922, 0.3430, 0.3290



42.5268, 0.3021, 0.3466



8.5055, 0.3287, 0.3290



6.7728, 0.6399, 0.3299

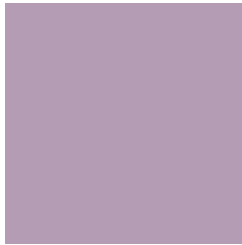


0.2132, 0.6391, 0.3294



# Previews

## White Background



This preview shows how the Yxy color 36.7755, 0.3142, 0.2967 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

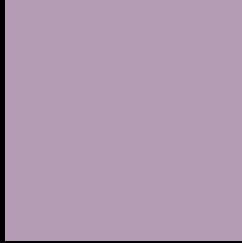
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 36.7755, 0.3142, 0.2967 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 36.7755, 0.3142, 0.2967**

## **Background**



This preview shows how black text looks on a background with the Yxy color 36.7755, 0.3142, 0.2967.



This preview shows how white text looks on a background with the Yxy color 36.7755, 0.3142, 0.2967.

# 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

36.7755, 0.3142, 0.2967

### Protanopia

36.7749, 0.2923, 0.2980

### Deuteranopia

36.8216, 0.3074, 0.3015



## Tritanopia

36.9397, 0.3222, 0.3126

# Trichromacy



## Original Color

36.7755, 0.3142, 0.2967

## Protanomaly

36.7760, 0.2994, 0.2971

## Deuteranomaly

36.8224, 0.3103, 0.3003

## Tritanomaly

36.7536, 0.3186, 0.3059

# Monochromacy



## Original Color

36.7755, 0.3142, 0.2967

## Achromatopsia

38.1326, 0.3127, 0.3290

## Achromatomaly

37.4389, 0.3133, 0.3165

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 36.7755, 0.3142, 0.2967 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(180, 156, 180)` looks like.

```
.text, #text, p{  
    color:rgb(180, 156, 180)  
}
```

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(180, 156, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 156, 180) }
```

## Border

The CSS property to change the border of an element to Yxy 36.7755, 0.3142, 0.2967 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(180, 156, 180) }
```

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

```
.border{ border-color:rgb(180, 156, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 156, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 156, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 156, 180);  
box-shadow:4px 4px 4px 4px rgb(180, 156,  
180) }
```



# Background

The CSS property to change the background color of an element to Yxy 36.7755, 0.3142, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 156, 180) }
```

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

```
.background{ background-color: rgb(180,  
156, 180) }
```

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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