

Converting Colors

$Yxy(45.0793, 0.3062, 0.3005)$

Have a look what the booklet for
Yxy(45.0793, 0.3062, 0.3005)
contains.

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Color

Yxy(44.9947, 0.3063, 0.2999)

Conversions

Conversions Part 1

Format	Color
Hex	BCAEC5
RGB	188, 174, 197
RGB Percent	74%, 68%, 77%
CMY	0.2627, 0.3176, 0.2275
CMYK	0.05, 0.12, 0.00, 0.23
HSL	277°, 17%, 73%
HSV	277°, 12%, 77%
XYZ	45.9549, 44.9947, 59.0827
YIQ	180.8080, 0.9610, 10.1210

Conversions

Conversions Part 2

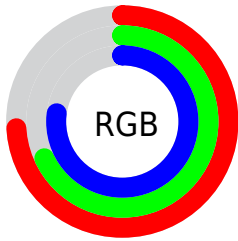
Format	Color
R_{YB}	188, 174, 197
Decimal	12365509
CIE _{Lab}	72.89, 9.30, -9.87
CIE _{LCh}	73, 13.560, 313.275
Yxy	44.9947, 0.3063, 0.2999
Android (android.graphics.Color)	4290555589 (0xFFBCAEC5)
YUV	180.8080, 7.9827, 6.3074
Hunter-Lab	67.0781, 4.9029, -5.2683

Details

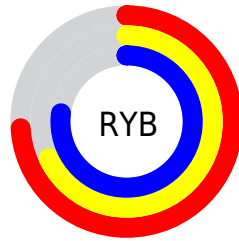
The Yxy color `44.9947, 0.3063, 0.2999` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `53.0517, 0.3185, 0.3585`, and the grayscale version is `46.0567, 0.3127, 0.3290`.

A 20% lighter version of the original color is `82.4275, 0.3071, 0.3042`, and `21.0531, 0.3049, 0.2930` is the 20% darker color. If you saturate the color by 10%, you get `36.9835, 0.2997, 0.2732`, and if you desaturate by 10%, it is `54.1781, 0.3119, 0.3250`.

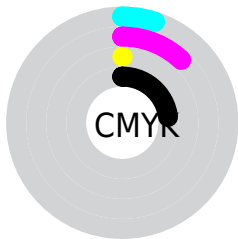
Distribution



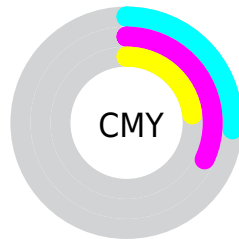
- Red (74%)
- Green (68%)
- Blue (77%)



- Red (74%)
- Yellow (68%)
- Blue (77%)



- Cyan (5%)
- Magenta (12%)
- Yellow (0%)
- Black (23%)



- Cyan (26%)
- Magenta (32%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9947, 0.3063, 0.2999 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 44.9947, 0.3063, 0.2999 by changing the saturation by 10% instead.

 44.9947, 0.3063,
0.2999

 44.9947, 0.3063,
0.2999


366.7521, 0.3096,
0.3143

 31.4533, 0.3054,
0.2964


 82.7125, 0.3075,
0.3051

 20.9442, 0.3043,
0.2919


107.6576, 0.3080,
0.3070

 13.0832, 0.3028,
0.2860


137.1727, 0.3084,
0.3087

 7.4859, 0.3005,
0.2778

171.6422, 0.3087,
0.3101

 3.7678, 0.2971,
0.2658

211.4505, 0.3090,
0.3114

 1.5445, 0.2911,
0.2467

256.9820, 0.3092,

 0.3198, 0.2807,

0.3124

0.1691

308.6210, 0.3094,
0.3134

0.0000, 0.0000,
0.0000

44.9947, 0.3063,
0.2999

44.9947, 0.3063,
0.2999

36.9835, 0.2997,
0.2732

54.1781, 0.3119,
0.3250

30.0896, 0.2921,
0.2453

64.5742, 0.3165,
0.3482

24.2620, 0.2836,
0.2170

76.2286, 0.3204,
0.3693

19.4438, 0.2741,
0.1894

89.1827, 0.3236,
0.3884

15.5723, 0.2639,
0.1636

91.7986, 0.3283,
0.3896

■ 12.5776, 0.2534,
0.1409

■ 93.0742, 0.3333,
0.3886

■ 10.3799, 0.2429,
0.1226

■ 94.4063, 0.3384,
0.3877

■ 8.8841, 0.2328,
0.1092

■ 95.7958, 0.3436,
0.3867

■ 8.0276, 0.2249,
0.1012

■ 96.8110, 0.3472,
0.3860

Harmonies

Analogous

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



44.9947, 0.2891, 0.2968



44.9947, 0.3063, 0.2999



44.9947, 0.3258, 0.3101

Triad

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



44.9947, 0.3063, 0.2999



44.9947, 0.3481, 0.3553



44.9947, 0.2840, 0.3320

Complementary

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



44.9947, 0.3063, 0.2999



53.0517, 0.3185, 0.3585

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.



44.9947, 0.2992, 0.3491



44.9947, 0.3063, 0.2999



44.9947, 0.3362, 0.3625

Square

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



44.9947, 0.3063, 0.2999



44.9947, 0.3503, 0.3415



44.9947, 0.3182, 0.3604



44.9947, 0.2765, 0.3147

Rectangle

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



44.9947, 0.3063, 0.2999



44.9947, 0.3373, 0.3198



44.9947, 0.3182, 0.3604



44.9947, 0.2884, 0.3380

Sweetspot

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



44.9966, 0.3063, 0.2999



92.9160, 0.3106, 0.3192



46.9788, 0.2947, 0.3111



19.6112, 0.3102, 0.3173



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.



44.9966, 0.3063, 0.2999



76.7503, 0.3047, 0.2932



46.0686, 0.3159, 0.3034



10.6019, 0.3077, 0.3058



5.3298, 0.2261, 0.1019



0.2934, 0.2458, 0.1128

Inverse Universe

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



45.5604, 0.3257, 0.3177



77.9769, 0.3290, 0.3152



52.0758, 0.3096, 0.3561



10.7044, 0.3229, 0.3200



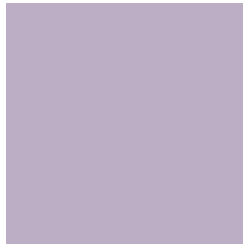
8.1749, 0.5394, 0.2745



0.4012, 0.4835, 0.2437

Previews

White Background



This preview shows how the Yxy color 44.9947, 0.3063, 0.2999 looks on a white background.

Color Contrast Check

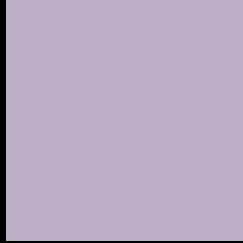
Large Text (above 18pt) WCAG AA × Fail

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 44.9947, 0.3063, 0.2999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

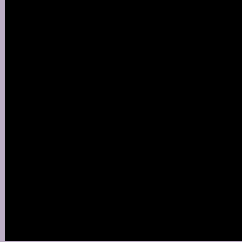
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.9947, 0.3063, 0.2999

Background



This preview shows how black text looks on a background with the Yxy color 44.9947, 0.3063, 0.2999.



This preview shows how white text looks on a background with the Yxy color 44.9947, 0.3063, 0.2999.

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

44.9947, 0.3063, 0.2999

Protanopia

45.1944, 0.2947, 0.3018

Deuteranopia

44.9947, 0.3063, 0.2999



Tritanopia

44.8989, 0.3118, 0.3111

Trichromacy



Original Color

44.9947, 0.3063, 0.2999

Protanomaly

45.2248, 0.2987, 0.3020

Deuteranomaly

44.9947, 0.3063, 0.2999

Tritanomaly

45.0305, 0.3094, 0.3073

Monochromacy



Original Color

44.9947, 0.3063, 0.2999

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.6190, 0.3107, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9947, 0.3063, 0.2999 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(188, 174, 197)` looks like.

```
.text, #text, p{  
    color:rgb(188, 174, 197)  
}
```

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(188, 174, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 174, 197) }
```

Border

The CSS property to change the border of an element to Yxy 44.9947, 0.3063, 0.2999 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(188, 174, 197) }
```

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

```
.border{ border-color:rgb(188, 174, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 174, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 174, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 174, 197);  
box-shadow:4px 4px 4px 4px rgb(188, 174,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9947, 0.3063, 0.2999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 174, 197) }
```

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

```
.background{ background-color: rgb(188,  
174, 197) }
```

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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