

Converting Colors

$Yxy(48.8172, 0.2620, 0.2299)$

Have a look what the booklet for
Yxy(48.8172, 0.2620, 0.2299)
contains.

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Color

Yxy(48.4393, 0.2668, 0.2375)

Conversions

Conversions Part 1

Format	Color
Hex	BEAEFF
RGB	190, 174, 255
RGB Percent	75%, 68%, 100%
CMY	0.2551, 0.3176, 0.0000
CMYK	0.26, 0.32, 0.00, 0.00
HSL	252°, 100%, 84%
HSV	252°, 32%, 100%
XYZ	54.4152, 48.4393, 101.1005
YIQ	188.0180, -16.4650, 28.5830

Conversions

Conversions Part 2

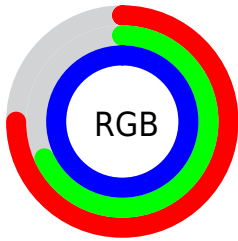
Format	Color
R_{YB}	190, 174, 255
Decimal	12496639
CIE Lab	75.10, 22.50, -38.05
CIE LCh	75, 44.199, 300.596
Yxy	48.4393, 0.2668, 0.2375
Android (android.graphics.Color)	4290686719 (0xFFBEAEFF)
YUV	188.0180, 33.0221, 1.7382
Hunter-Lab	69.5983, 17.7624, -37.4074

Details

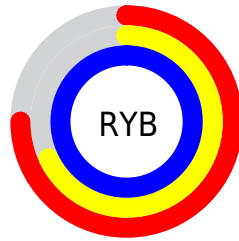
The Yxy color **48.4393, 0.2668, 0.2375** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **92.9368, 0.3500, 0.4116**, and the grayscale version is **50.1141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5878, 0.3085, 0.3044**, and **23.1472, 0.2543, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **37.0504, 0.2488, 0.2040**, and if you desaturate by 10%, it is **62.0709, 0.2833, 0.2693**.

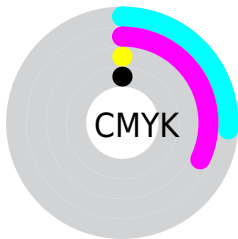
Distribution



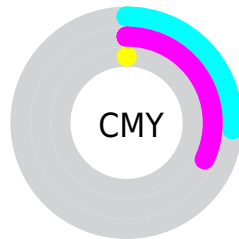
- Red (75%)
- Green (68%)
- Blue (100%)



- Red (75%)
- Yellow (68%)
- Blue (100%)



- Cyan (26%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)





- Cyan (26%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 48.4393, 0.2668, 0.2375 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 48.4393, 0.2668, 0.2375 by changing the saturation by 10% instead.

 48.4393, 0.2668,
0.2375

 48.4393, 0.2668,
0.2375


380.5308, 0.2897,
0.2799

 34.1749, 0.2612,
0.2279

 87.8581, 0.2751,
0.2522

 23.0280, 0.2542,
0.2162


113.7813, 0.2782,
0.2579

 14.6142, 0.2450,
0.2016

144.3596, 0.2808,
0.2628

 8.5491, 0.2327,
0.1829

179.9773, 0.2831,
0.2671

 4.4482, 0.2155,
0.1584

221.0189, 0.2851,
0.2709

 1.9273, 0.1903,
0.1257

267.8688, 0.2868,

 0.5647, 0.1524,

0.2743

0.0775

320.9113, 0.2884,
0.2772

0.0000, 0.0131,
0.0000

0.0000, 0.0000,
0.0000

48.4393, 0.2668,
0.2375

48.4393, 0.2668,
0.2375

37.0504, 0.2488,
0.2040

62.0709, 0.2833,
0.2693

27.7796, 0.2298,
0.1701

78.0544, 0.2979,
0.2985

20.4949, 0.2108,
0.1378

96.4955, 0.3107,
0.3247

15.0477, 0.1928,
0.1093

100.0000, 0.3127,
0.3290

■ 11.2681, 0.1773,
0.0868

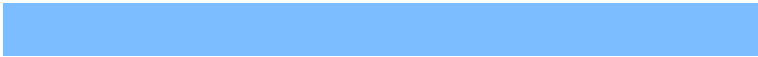
■ 8.9532, 0.1653,
0.0717

■ 7.9034, 0.1583,
0.0646

Harmonies

Analogous

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



48.4393, 0.2247, 0.2356



48.4393, 0.2668, 0.2375



48.4393, 0.3257, 0.2588

Triad

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



48.4393, 0.2668, 0.2375



48.4393, 0.4320, 0.3868



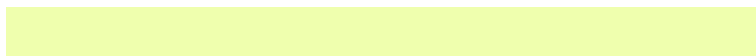
48.4393, 0.2405, 0.3620

Complementary

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



48.4393, 0.2668, 0.2375



92.9368, 0.3500, 0.4116

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.



48.4393, 0.2913, 0.4176



48.4393, 0.2668, 0.2375



48.4393, 0.4028, 0.4253

Square

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



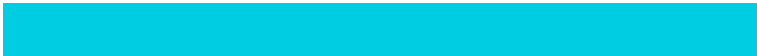
48.4393, 0.2668, 0.2375



48.4393, 0.4268, 0.3402



48.4393, 0.3508, 0.4405



48.4393, 0.2104, 0.3006

Rectangle

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



48.4393, 0.2668, 0.2375



48.4393, 0.3672, 0.2817



48.4393, 0.3508, 0.4405



48.4393, 0.2555, 0.3827

Sweetspot

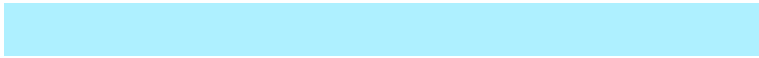
The Sweet Spot groups the original color and five complimentary colors.



48.4403, 0.2668, 0.2375



81.1164, 0.3003, 0.3033



78.6307, 0.2651, 0.3125



16.8372, 0.2984, 0.2994



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.



48.4403, 0.2668, 0.2375



41.0760, 0.2557, 0.2167



54.2146, 0.2963, 0.2448



17.5499, 0.3009, 0.3046



4.1782, 0.1594, 0.0652



0.4495, 0.1692, 0.0706

Inverse Universe

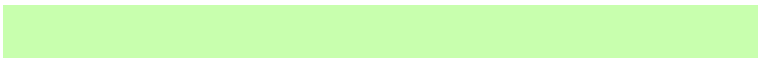
The Inverse Universe completely reimagines the original color for something new.



57.7734, 0.3289, 0.2640



51.7994, 0.3329, 0.2513



86.8093, 0.3240, 0.4189



18.2354, 0.3168, 0.3101



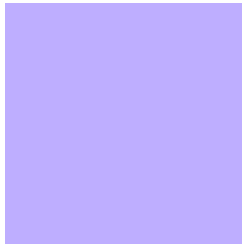
13.4284, 0.3781, 0.1857



1.3224, 0.3704, 0.1814

Previews

White Background



This preview shows how the Yxy color 48.4393, 0.2668, 0.2375 looks on a white background.

Color Contrast Check

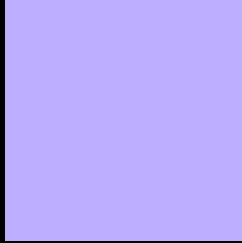
Large Text (above 18pt) WCAG AA × Fail

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 48.4393, 0.2668, 0.2375 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

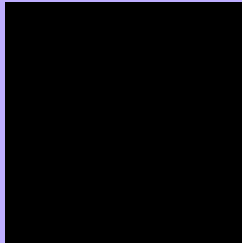
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.4393, 0.2668, 0.2375

Background



This preview shows how black text looks on a background with the Yxy color 48.4393, 0.2668, 0.2375.

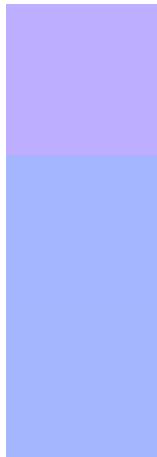


This preview shows how white text looks on a background with the Yxy color 48.4393, 0.2668, 0.2375.

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

48.4393, 0.2668, 0.2375

Protanopia

48.4624, 0.2498, 0.2427

Deuteranopia

48.4403, 0.2515, 0.2448



Tritanopia

48.4518, 0.2965, 0.3099

Trichromacy



Original Color

48.4393, 0.2668, 0.2375

Protanomaly

48.3444, 0.2558, 0.2405

Deuteranomaly

48.2802, 0.2563, 0.2415

Tritanomaly

48.2823, 0.2852, 0.2812

Monochromacy



Original Color

48.4393, 0.2668, 0.2375

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.4393, 0.2957, 0.2935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.4393, 0.2668, 0.2375 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(190, 174, 255)  
}
```

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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 174, 255) }
```

Border

The CSS property to change the border of an element to Yxy 48.4393, 0.2668, 0.2375 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, 174, 255) }
```

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

```
.border{ border-color:rgb(190, 174, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(190, 174,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 48.4393, 0.2668, 0.2375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 174, 255) }
```

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

```
.background{ background-color: rgb(190,  
174, 255) }
```

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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