

Converting Colors

$Y_{xy}(49.7041, 0.2631, 0.2442)$

Have a look what the booklet for
Yxy(49.7041, 0.2631, 0.2442)
contains.

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Color

Yxy(49.8656, 0.2632, 0.2442)

Conversions

Conversions Part 1

Format	Color
Hex	B7B4FE
RGB	183, 180, 254
RGB Percent	72%, 71%, 100%
CMY	0.2823, 0.2941, 0.0038
CMYK	0.28, 0.29, 0.00, 0.00
HSL	242°, 97%, 85%
HSV	242°, 29%, 100%
XYZ	53.7454, 49.8656, 100.5888
YIQ	189.3330, -21.9660, 23.6500

Conversions

Conversions Part 2

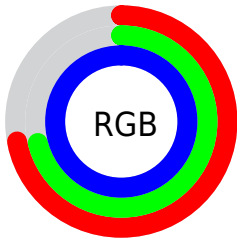
Format	Color
R _Y B	183, 180, 254
Decimal	12039422
CIE Lab	75.99, 16.97, -36.19
CIE LCh	76, 39.970, 295.122
Yxy	49.8656, 0.2632, 0.2442
Android (android.graphics.Color)	4290229502 (0xFFB7B4FE)
YUV	189.3330, 31.8808, -5.5540
Hunter-Lab	70.6156, 12.2788, -35.0251

Details

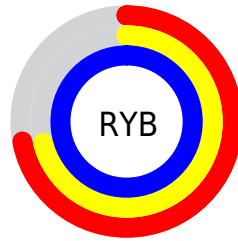
The Yxy color **49.8656, 0.2632, 0.2442** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **94.7155, 0.3549, 0.4026**, and the grayscale version is **50.9152, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.7362, 0.3038, 0.3101**, and **23.7992, 0.2497, 0.2237** is the 20% darker color. If you saturate the color by 10%, you get **37.7997, 0.2427, 0.2096**, and if you desaturate by 10%, it is **64.3323, 0.2821, 0.2764**.

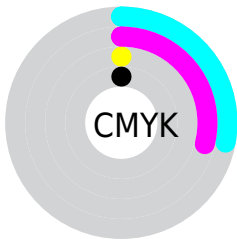
Distribution



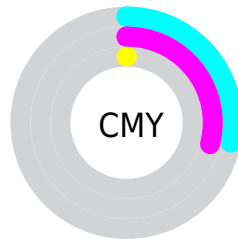
- Red (72%)
- Green (71%)
- Blue (100%)



- Red (72%)
- Yellow (71%)
- Blue (100%)



- Cyan (28%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)



- Cyan (28%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8656, 0.2632, 0.2442 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 49.8656, 0.2632, 0.2442 by changing the saturation by 10% instead.

■ 49.8656, 0.2632,
0.2442

■ 49.8656, 0.2632,
0.2442

■ 386.1401, 0.2876,
0.2838

■ 35.3066, 0.2573,
0.2352

■ 89.9757, 0.2719,
0.2579

■ 23.8992, 0.2500,
0.2242

■ 116.2956, 0.2752,
0.2633

■ 15.2588, 0.2404,
0.2103

■ 147.3047, 0.2781,
0.2679

■ 9.0012, 0.2278,
0.1925

■ 183.3872, 0.2805,
0.2719

■ 4.7420, 0.2102,
0.1690

■ 224.9276, 0.2826,
0.2754

■ 2.0967, 0.1846,
0.1371

■ 272.3103, 0.2845,

■ 0.6628, 0.1461,

0.2785

0.0913

325.9197, 0.2861,
0.2813

0.0000, 0.0000,
0.0000

49.8656, 0.2632,
0.2442

49.8656, 0.2632,
0.2442

37.7997, 0.2427,
0.2096

64.3323, 0.2821,
0.2764

27.9992, 0.2214,
0.1739

81.3135, 0.2990,
0.3054

20.3244, 0.2006,
0.1395

99.9382, 0.3133,
0.3299

14.6177, 0.1819,
0.1088

10.6997, 0.1667,
0.0845

■ 8.3582, 0.1564,
0.0686

■ 7.2866, 0.1511,
0.0609

■ 7.2250, 0.1508,
0.0605

Harmonies

Analogous

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



49.8656, 0.2282, 0.2464



49.8656, 0.2632, 0.2442



49.8656, 0.3144, 0.2606

Triad

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



49.8656, 0.2632, 0.2442



49.8656, 0.4215, 0.3748



49.8656, 0.2551, 0.3687

Complementary

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



49.8656, 0.2632, 0.2442



94.7155, 0.3549, 0.4026

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.



49.8656, 0.3036, 0.4139



49.8656, 0.2632, 0.2442



49.8656, 0.4009, 0.4111

Square

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



49.8656, 0.2632, 0.2442



49.8656, 0.4103, 0.3322



49.8656, 0.3571, 0.4284



49.8656, 0.2236, 0.3134

Rectangle

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



49.8656, 0.2632, 0.2442



49.8656, 0.3518, 0.2801



49.8656, 0.3571, 0.4284



49.8656, 0.2699, 0.3861

Sweetspot

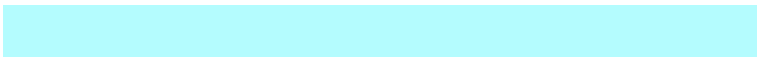
The Sweet Spot groups the original color and five complimentary colors.



49.8676, 0.2632, 0.2442



82.2825, 0.2993, 0.3058



86.2115, 0.2701, 0.3262



17.0424, 0.2969, 0.3018



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.



49.8676, 0.2632, 0.2442



42.8795, 0.2513, 0.2241



54.9341, 0.2896, 0.2502



17.4130, 0.2985, 0.3044



3.8229, 0.1512, 0.0607



0.3841, 0.1541, 0.0622

Inverse Universe

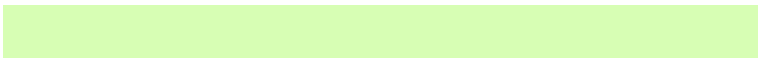
The Inverse Universe completely reimagines the original color for something new.



60.6848, 0.3184, 0.2589



55.4296, 0.3197, 0.2451



88.5813, 0.3304, 0.4088



18.2868, 0.3144, 0.3065



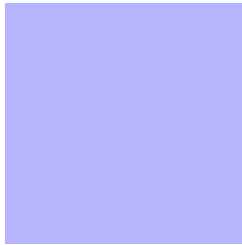
14.5468, 0.3314, 0.1599



1.4202, 0.3301, 0.1592

Previews

White Background



This preview shows how the Yxy color 49.8656, 0.2632, 0.2442 looks on a white background.

Color Contrast Check

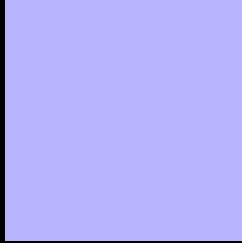
Large Text (above 18pt) WCAG AA × Fail

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 49.8656, 0.2632, 0.2442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

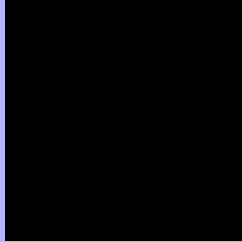
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8656, 0.2632, 0.2442

Background



This preview shows how black text looks on a background with the Yxy color 49.8656, 0.2632, 0.2442.



This preview shows how white text looks on a background with the Yxy color 49.8656, 0.2632, 0.2442.

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

49.8656, 0.2632, 0.2442

Protanopia

50.1334, 0.2528, 0.2469

Deuteranopia

50.1146, 0.2546, 0.2490



Tritanopia

49.6872, 0.2884, 0.3085

Trichromacy



Original Color

49.8656, 0.2632, 0.2442

Protanomaly

49.9712, 0.2564, 0.2453

Deuteranomaly

49.8431, 0.2575, 0.2473

Tritanomaly

49.7926, 0.2790, 0.2835

Monochromacy



Original Color

49.8656, 0.2632, 0.2442

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

50.4867, 0.2934, 0.2959

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8656, 0.2632, 0.2442 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(183, 180, 254)` looks like.

```
.text, #text, p{  
    color:rgb(183, 180, 254)  
}
```

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(183, 180, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 180, 254) }
```

Border

The CSS property to change the border of an element to Yxy 49.8656, 0.2632, 0.2442 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(183, 180, 254) }
```

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

```
.border{ border-color:rgb(183, 180, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 180, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 180, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 180, 254);  
box-shadow:4px 4px 4px 4px rgb(183, 180,  
254) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8656, 0.2632, 0.2442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 180, 254) }
```

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

```
.background{ background-color: rgb(183,  
180, 254) }
```

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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