

Converting Colors

$Y_{xy}(44.8682, 0.2633, 0.2393)$

Have a look what the booklet for
Yxy(44.8682, 0.2633, 0.2393)
contains.

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Color

Yxy(44.8682, 0.2633, 0.2393)

Conversions

Conversions Part 1

Format	Color
Hex	B2AAF6
RGB	178, 170, 246
RGB Percent	70%, 67%, 96%
CMY	0.3020, 0.3333, 0.0352
CMYK	0.28, 0.31, 0.00, 0.04
HSL	246°, 81%, 82%
HSV	246°, 31%, 96%
XYZ	49.3681, 44.8682, 93.2614
YIQ	181.0560, -19.6280, 25.3320

Conversions

Conversions Part 2

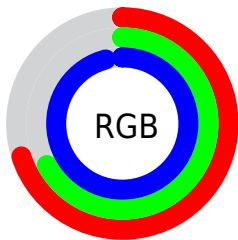
Format	Color
R _Y B	178, 170, 246
Decimal	11709174
CIE Lab	72.81, 19.14, -36.83
CIE LCh	73, 41.502, 297.463
Yxy	44.8682, 0.2633, 0.2393
Android (android.graphics.Color)	4289899254 (0xFFB2AAF6)
YUV	181.0560, 32.0174, -2.6801
Hunter-Lab	66.9837, 14.3360, -35.6608

Details

The Yxy color `44.8682, 0.2633, 0.2393` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `87.0097, 0.3538, 0.4078`, and the grayscale version is `46.0719, 0.3127, 0.3290`.

A 20% lighter version of the original color is `78.7326, 0.3006, 0.2987`, and `20.8419, 0.2493, 0.2180` is the 20% darker color. If you saturate the color by 10%, you get `34.0940, 0.2437, 0.2051`, and if you desaturate by 10%, it is `57.7899, 0.2813, 0.2715`.

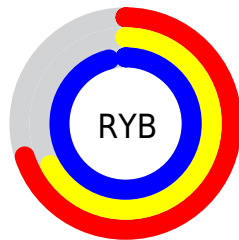
Distribution



Red (70%)

Green (67%)

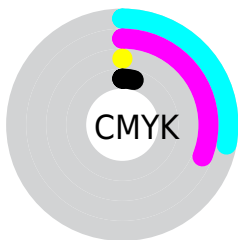
Blue (96%)



Red (70%)

Yellow (67%)

Blue (96%)

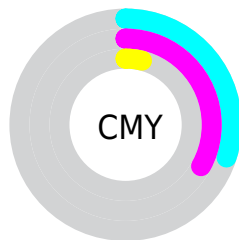


Cyan (28%)

Magenta (31%)

Yellow (0%)

Black (4%)



Cyan (30%)

Magenta (33%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8682, 0.2633, 0.2393 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 44.8682, 0.2633, 0.2393 by changing the saturation by 10% instead.

■ 44.8682, 0.2633,
0.2393

■ 44.8682, 0.2633,
0.2393

■ 366.2395, 0.2881,
0.2816

■ 31.3536, 0.2572,
0.2296

■ 82.5226, 0.2723,
0.2541

■ 20.8683, 0.2494,
0.2175

■ 107.4312, 0.2757,
0.2598

■ 13.0277, 0.2393,
0.2024

■ 136.9066, 0.2785,
0.2647

■ 7.4477, 0.2257,
0.1828

■ 171.3332, 0.2810,
0.2690

■ 3.7436, 0.2064,
0.1569

■ 211.0954, 0.2832,
0.2728

■ 1.5312, 0.1779,
0.1218

■ 256.5776, 0.2850,

■ 0.3105, 0.1363,

0.2761

0.0555

308.1642, 0.2867,
0.2790

0.0000, 0.0000,
0.0000

44.8682, 0.2633,
0.2393

44.8682, 0.2633,
0.2393

34.0940, 0.2437,
0.2051

57.7899, 0.2813,
0.2715

25.3455, 0.2234,
0.1701

72.9612, 0.2974,
0.3007

18.4972, 0.2033,
0.1367

90.4844, 0.3115,
0.3268

13.4068, 0.1849,
0.1072

99.4350, 0.3179,
0.3376

9.9125, 0.1697,
0.0840

■ 7.8217, 0.1589,
0.0688

■ 6.8722, 0.1529,
0.0616

Harmonies

Analogous

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



44.8682, 0.2246, 0.2397



44.8682, 0.2633, 0.2393



44.8682, 0.3190, 0.2582

Triad

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



44.8682, 0.2633, 0.2393



44.8682, 0.4289, 0.3807



44.8682, 0.2474, 0.3671

Complementary

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



44.8682, 0.2633, 0.2393



87.0097, 0.3538, 0.4078

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.



44.8682, 0.2981, 0.4181



44.8682, 0.2633, 0.2393



44.8682, 0.4040, 0.4190

Square

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



44.8682, 0.2633, 0.2393



44.8682, 0.4199, 0.3354



44.8682, 0.3556, 0.4363



44.8682, 0.2158, 0.3075

Rectangle

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



44.8682, 0.2633, 0.2393



44.8682, 0.3592, 0.2795



44.8682, 0.3556, 0.4363



44.8682, 0.2626, 0.3865

Sweetspot

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



44.8700, 0.2633, 0.2393



82.5315, 0.3002, 0.3059



76.5941, 0.2673, 0.3203



17.1031, 0.2981, 0.3019



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.



44.8700, 0.2633, 0.2393



41.1952, 0.2514, 0.2183



49.9471, 0.2919, 0.2462



16.0099, 0.2995, 0.3046



3.6954, 0.1536, 0.0620



0.3519, 0.1611, 0.0661

Inverse Universe

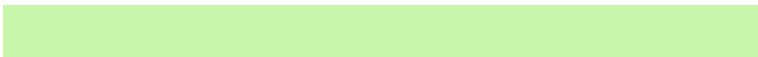
The Inverse Universe completely reimagines the original color for something new.



54.5237, 0.3226, 0.2594



53.2262, 0.3250, 0.2457



81.1614, 0.3279, 0.4149



16.7366, 0.3154, 0.3081



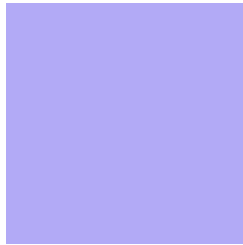
13.2337, 0.3493, 0.1698



1.1716, 0.3452, 0.1676

Previews

White Background



This preview shows how the Yxy color 44.8682, 0.2633, 0.2393 looks on a white background.

Color Contrast Check

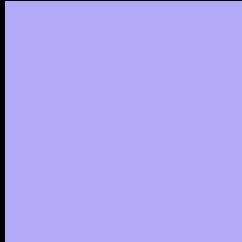
Large Text (above 18pt) WCAG AA × Fail

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 44.8682, 0.2633, 0.2393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

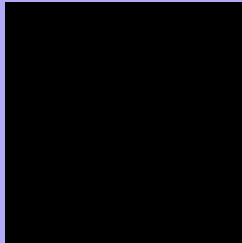
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8682, 0.2633, 0.2393

Background



This preview shows how black text looks on a background with the Yxy color 44.8682, 0.2633, 0.2393.



This preview shows how white text looks on a background with the Yxy color 44.8682, 0.2633, 0.2393.

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

44.8682, 0.2633, 0.2393

Protanopia

45.0836, 0.2465, 0.2382

Deuteranopia

44.9123, 0.2511, 0.2446



Tritanopia

44.8624, 0.2920, 0.3104

Trichromacy



Original Color

44.8682, 0.2633, 0.2393

Protanomaly

45.0042, 0.2524, 0.2389

Deuteranomaly

44.8640, 0.2554, 0.2431

Tritanomaly

44.6254, 0.2813, 0.2817

Monochromacy



Original Color

44.8682, 0.2633, 0.2393

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.5554, 0.2935, 0.2934

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8682, 0.2633, 0.2393 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(178, 170, 246)` looks like.

```
.text, #text, p{  
    color:rgb(178, 170, 246)  
}
```

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(178, 170, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 170, 246) }
```

Border

The CSS property to change the border of an element to Yxy 44.8682, 0.2633, 0.2393 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(178, 170, 246) }
```

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

```
.border{ border-color:rgb(178, 170, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 170, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 170, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 170, 246);  
box-shadow:4px 4px 4px 4px rgb(178, 170,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8682, 0.2633, 0.2393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 170, 246) }
```

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

```
.background{ background-color: rgb(178,  
170, 246) }
```

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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