

Converting Colors

$Yxy(44.6307, 0.2688, 0.2492)$

Have a look what the booklet for
Yxy(44.6307, 0.2688, 0.2492)
contains.

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Color

Yxy(44.7052, 0.2691, 0.2496)

Conversions

Conversions Part 1

Format	Color
Hex	B2ABED
RGB	178, 171, 237
RGB Percent	70%, 67%, 93%
CMY	0.3022, 0.3293, 0.0706
CMYK	0.25, 0.28, 0.00, 0.07
HSL	246°, 65%, 80%
HSV	246°, 28%, 93%
XYZ	48.1978, 44.7052, 86.2044
YIQ	180.6170, -17.0140, 22.0100

Conversions

Conversions Part 2

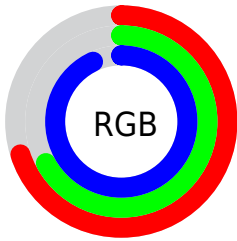
Format	Color
R _Y B	178, 171, 237
Decimal	11709421
CIE Lab	72.70, 16.40, -32.09
CIE LCh	73, 36.042, 297.070
Yxy	44.7052, 0.2691, 0.2496
Android (android.graphics.Color)	4289899501 (0xFFB2ABED)
YUV	180.6170, 27.7968, -2.2951
Hunter-Lab	66.8619, 11.6643, -29.6386

Details

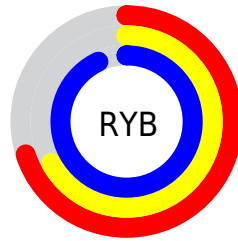
The Yxy color `44.7052, 0.2691, 0.2496` is a light color, and the websafe version is hex `9999CC`. A complement of this color would be `80.3421, 0.3498, 0.3998`, and the grayscale version is `45.8423, 0.3127, 0.3290`.

A 20% lighter version of the original color is `79.2749, 0.3006, 0.2997`, and `20.8149, 0.2567, 0.2298` is the 20% darker color. If you saturate the color by 10%, you get `34.2232, 0.2500, 0.2159`, and if you desaturate by 10%, it is `57.1839, 0.2865, 0.2809`.

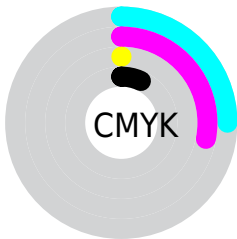
Distribution



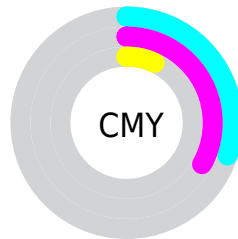
- Red (70%)
- Green (67%)
- Blue (93%)



- Red (70%)
- Yellow (67%)
- Blue (93%)



- Cyan (25%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7052, 0.2691, 0.2496 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 44.7052, 0.2691, 0.2496 by changing the saturation by 10% instead.

■ 44.7052, 0.2691,
0.2496

■ 44.7052, 0.2691,
0.2496

365.5783, 0.2911,
0.2875

■ 31.2253, 0.2636,
0.2407

■ 82.2779, 0.2771,
0.2629

■ 20.7705, 0.2567,
0.2297

107.1394, 0.2801,
0.2681

■ 12.9563, 0.2476,
0.2157

136.5636, 0.2826,
0.2725

■ 7.3985, 0.2351,
0.1974

170.9348, 0.2848,
0.2763

■ 3.7125, 0.2173,
0.1725

210.6375, 0.2867,
0.2796

■ 1.5141, 0.1902,
0.1377

256.0561, 0.2883,

■ 0.2986, 0.1485,

0.2826

0.0648

307.5749, 0.2898,
0.2852

0.0000, 0.0000,
0.0000

44.7052, 0.2691,
0.2496

44.7052, 0.2691,
0.2496

34.2232, 0.2500,
0.2159

57.1839, 0.2865,
0.2809

25.6291, 0.2298,
0.1811

71.7499, 0.3020,
0.3091

18.8116, 0.2095,
0.1470

88.4950, 0.3155,
0.3341

13.6457, 0.1905,
0.1160

98.8941, 0.3232,
0.3464

9.9901, 0.1742,
0.0906

■ 7.6793, 0.1619,
0.0728

■ 6.4931, 0.1542,
0.0631

■ 6.3189, 0.1530,
0.0616

Harmonies

Analogous

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



44.7052, 0.2348, 0.2506



44.7052, 0.2691, 0.2496



44.7052, 0.3179, 0.2661

Triad

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



44.7052, 0.2691, 0.2496



44.7052, 0.4141, 0.3751



44.7052, 0.2563, 0.3628

Complementary

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



44.7052, 0.2691, 0.2496



80.3421, 0.3498, 0.3998

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.



44.7052, 0.3012, 0.4059



44.7052, 0.2691, 0.2496



44.7052, 0.3934, 0.4080

Square

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



44.7052, 0.2691, 0.2496



44.7052, 0.4055, 0.3350



44.7052, 0.3515, 0.4219



44.7052, 0.2277, 0.3116

Rectangle

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



44.7052, 0.2691, 0.2496



44.7052, 0.3527, 0.2851



44.7052, 0.3515, 0.4219



44.7052, 0.2699, 0.3792

Sweetspot

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



44.7070, 0.2691, 0.2496



84.3675, 0.3017, 0.3086



71.5898, 0.2715, 0.3213



17.4689, 0.2995, 0.3045



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.



44.7070, 0.2691, 0.2496



45.9533, 0.2592, 0.2320



49.0397, 0.2944, 0.2551



14.6245, 0.2996, 0.3047



3.4765, 0.1537, 0.0620



0.2984, 0.1620, 0.0666

Inverse Universe

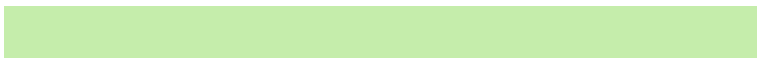
The Inverse Universe completely reimagines the original color for something new.



52.8559, 0.3215, 0.2664



56.9938, 0.3235, 0.2545



75.4323, 0.3265, 0.4053



15.2850, 0.3154, 0.3082



12.4408, 0.3492, 0.1697



0.9847, 0.3448, 0.1673

Previews

White Background



This preview shows how the Yxy color 44.7052, 0.2691, 0.2496 looks on a white background.

Color Contrast Check

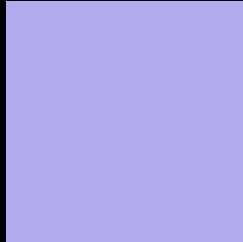
Large Text (above 18pt) WCAG AA × Fail

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 44.7052, 0.2691, 0.2496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

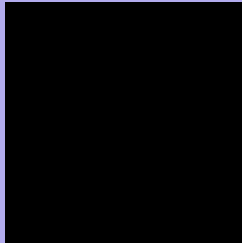
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.7052, 0.2691, 0.2496

Background



This preview shows how black text looks on a background with the Yxy color 44.7052, 0.2691, 0.2496.



This preview shows how white text looks on a background with the Yxy color 44.7052, 0.2691, 0.2496.

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

44.7052, 0.2691, 0.2496

Protanopia

44.8751, 0.2547, 0.2490

Deuteranopia

44.6086, 0.2602, 0.2535



Tritanopia

44.6365, 0.2943, 0.3104

Trichromacy



Original Color

44.7052, 0.2691, 0.2496

Protanomaly

44.7789, 0.2597, 0.2485

Deuteranomaly

44.7632, 0.2636, 0.2530

Tritanomaly

44.5384, 0.2849, 0.2866

Monochromacy



Original Color

44.7052, 0.2691, 0.2496

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

45.3646, 0.2965, 0.2983

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7052, 0.2691, 0.2496 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, 171, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 171, 237)  
}
```

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, 171, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 171, 237) }
```

Border

The CSS property to change the border of an element to Yxy 44.7052, 0.2691, 0.2496 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, 171, 237) }
```

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

```
.border{ border-color:rgb(178, 171, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 171, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 171, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 171, 237);  
box-shadow:4px 4px 4px 4px rgb(178, 171,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7052, 0.2691, 0.2496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 171, 237) }
```

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

```
.background{ background-color: rgb(178,  
171, 237) }
```

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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