

Converting Colors

$Y_{xy}(47.7236, 0.2857, 0.2770)$

Have a look what the booklet for
Yxy(47.7236, 0.2857, 0.2770)
contains.

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Color

Yxy(47.7749, 0.2859, 0.2778)

Conversions

Conversions Part 1

Format	Color
Hex	B9B3DD
RGB	185, 179, 221
RGB Percent	73%, 70%, 87%
CMY	0.2747, 0.2980, 0.1333
CMYK	0.16, 0.19, 0.00, 0.13
HSL	248°, 38%, 78%
HSV	248°, 19%, 87%
XYZ	49.1679, 47.7749, 75.0331
YIQ	185.5820, -9.9060, 14.3340

Conversions

Conversions Part 2

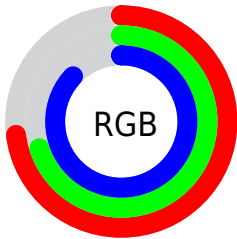
Format	Color
RYB	185, 179, 221
Decimal	12170205
CIELab	74.68, 10.50, -20.31
CIELCh	75, 22.861, 297.347
Yxy	47.7749, 0.2859, 0.2778
Android (android.graphics.Color)	4290360285 (0xFFB9B3DD)
YUV	185.5820, 17.4611, -0.5104
Hunter-Lab	69.1194, 6.0166, -15.9791

Details

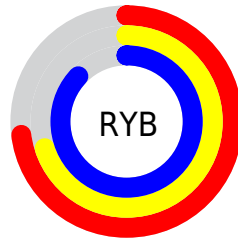
The Yxy color $47.7749, 0.2859, 0.2778$ is a light color, and the websafe version is hex `CCCCFF`. A complement of this color would be $69.4247, 0.3367, 0.3768$, and the grayscale version is $48.7588, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.3374, 0.3044, 0.3092$, and $22.5002, 0.2776, 0.2635$ is the 20% darker color. If you saturate the color by 10%, you get $37.4111, 0.2690, 0.2466$, and if you desaturate by 10%, it is $59.8775, 0.3009, 0.3061$.

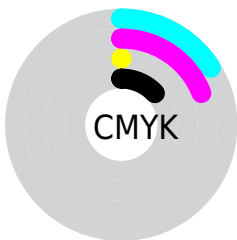
Distribution



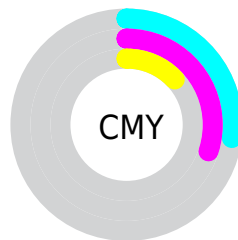
- Red (73%)
- Green (70%)
- Blue (87%)



- Red (73%)
- Yellow (70%)
- Blue (87%)



- Cyan (16%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (30%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7749, 0.2859, 0.2778 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 47.7749, 0.2859, 0.2778 by changing the saturation by 10% instead.

■ 47.7749, 0.2859,
0.2778

■ 47.7749, 0.2859,
0.2778

377.8992, 0.2993,
0.3025

■ 33.6487, 0.2826,
0.2719

■ 86.8692, 0.2908,
0.2866

■ 22.6238, 0.2783,
0.2645

112.6060, 0.2926,
0.2899

■ 14.3160, 0.2726,
0.2549

142.9818, 0.2942,
0.2928

■ 8.3408, 0.2648,
0.2420

178.3809, 0.2955,
0.2953

■ 4.3138, 0.2534,
0.2239

219.1878, 0.2967,
0.2974

■ 1.8506, 0.2353,
0.1968

265.7869, 0.2977,

■ 0.5184, 0.2050,

0.2993

0.1419

318.5626, 0.2986,
0.3010

0.0000, 0.0000,
0.0000

47.7749, 0.2859,
0.2778

47.7749, 0.2859,
0.2778

37.4111, 0.2690,
0.2466

59.8775, 0.3009,
0.3061

28.7002, 0.2505,
0.2132

73.7875, 0.3139,
0.3314

21.5581, 0.2310,
0.1789

89.5774, 0.3252,
0.3536

15.8906, 0.2112,
0.1455

98.0002, 0.3328,
0.3621

11.5937, 0.1926,
0.1153

■ 8.5492, 0.1764,
0.0906

■ 6.6190, 0.1639,
0.0733

■ 5.5934, 0.1556,
0.0635

■ 5.5143, 0.1550,
0.0627

Harmonies

Analogous

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



47.7749, 0.2632, 0.2792



47.7749, 0.2859, 0.2778



47.7749, 0.3168, 0.2886

Triad

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



47.7749, 0.2859, 0.2778



47.7749, 0.3756, 0.3600



47.7749, 0.2774, 0.3496

Complementary

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



47.7749, 0.2859, 0.2778



69.4247, 0.3367, 0.3768

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.



47.7749, 0.3062, 0.3748



47.7749, 0.2859, 0.2778



47.7749, 0.3635, 0.3793

Square

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



47.7749, 0.2859, 0.2778



47.7749, 0.3700, 0.3344



47.7749, 0.3378, 0.3856



47.7749, 0.2585, 0.3192

Rectangle

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



47.7749, 0.2859, 0.2778



47.7749, 0.3382, 0.3013



47.7749, 0.3378, 0.3856



47.7749, 0.2862, 0.3591

Sweetspot

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



47.7769, 0.2859, 0.2778



88.2159, 0.3049, 0.3139



63.6112, 0.2840, 0.3223



18.6193, 0.3040, 0.3122



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.



47.7769, 0.2859, 0.2778



59.7837, 0.2791, 0.2651



50.5350, 0.3023, 0.2802



12.7049, 0.3003, 0.3050



3.2326, 0.1558, 0.0632



0.2383, 0.1683, 0.0701

Inverse Universe

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



52.5309, 0.3196, 0.2884



67.5964, 0.3213, 0.2792



66.4904, 0.3213, 0.3792



13.2416, 0.3159, 0.3092



11.0978, 0.3599, 0.1756



0.7278, 0.3526, 0.1716

Previews

White Background



This preview shows how the Yxy color 47.7749, 0.2859, 0.2778 looks on a white background.

Color Contrast Check

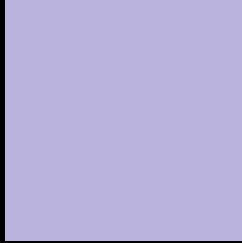
Large Text (above 18pt) WCAG AA × Fail

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 47.7749, 0.2859, 0.2778 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

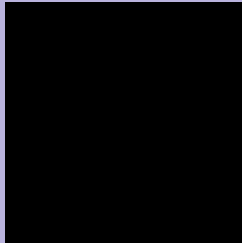
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.7749, 0.2859, 0.2778

Background



This preview shows how black text looks on a background with the Yxy color 47.7749, 0.2859, 0.2778.



This preview shows how white text looks on a background with the Yxy color 47.7749, 0.2859, 0.2778.

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

47.7749, 0.2859, 0.2778

Protanopia

47.8976, 0.2772, 0.2782

Deuteranopia

47.9303, 0.2845, 0.2788



Tritanopia

47.7679, 0.2996, 0.3099

Trichromacy



Original Color

47.7749, 0.2859, 0.2778

Protanomaly

47.9054, 0.2808, 0.2785

Deuteranomaly

48.0533, 0.2852, 0.2789

Tritanomaly

47.8572, 0.2945, 0.2988

Monochromacy



Original Color

47.7749, 0.2859, 0.2778

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

48.4296, 0.3029, 0.3089

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.7749, 0.2859, 0.2778 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(185, 179, 221)` looks like.

```
.text, #text, p{  
    color:rgb(185, 179, 221)  
}
```

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(185, 179, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 179, 221) }
```

Border

The CSS property to change the border of an element to Yxy 47.7749, 0.2859, 0.2778 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(185, 179, 221) }
```

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

```
.border{ border-color:rgb(185, 179, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 179, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 179, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 179, 221);  
box-shadow:4px 4px 4px 4px rgb(185, 179,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 47.7749, 0.2859, 0.2778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 179, 221) }
```

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

```
.background{ background-color: rgb(185,  
179, 221) }
```

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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