Converting Colors

Yxy(45.0089, 0.2846, 0.2631)

Have a look what the booklet for Yxy(45.0089, 0.2846, 0.2631) contains.

Yxy(45.2534, 0.2850, 0.2638) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 12
- ***Previews*** 24
- ***Color Blindness Simulation*** 27
- ***CSS Examples*** 30

Color

Yxy(45.2534, 0.2850, 0.2638)

Conversions

Conversions Part 1

Format	Color
Hex	BCABE1
RGB	188, 171, 225
RGB Percent	74%, 67%, 88%
CMY	0.2628, 0.3294, 0.1176
CMYK	0.16, 0.24, 0.00, 0.12
HSL	259°, 47%, 78%
HSV	259°, 24%, 88%
XYZ	48.8901, 45.2534, 77.4008
YIQ	182.2390, -7.2020, 20.3980

Conversions

Conversions Part 2

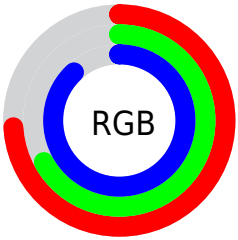
Format	Color
RYB	188, 171, 225
Decimal	12364769
CIELab	73.06, 16.75, -24.95
CIELCh	73, 30.045, 303.873
Yxy	45.2534, 0.2850, 0.2638
Android (android.graphics.Color)	4290554849 (0xFFBCABE1)
YUV	182.2390, 21.0812, 5.0524
Hunter-Lab	67.2706, 12.0044, -21.1289

Details

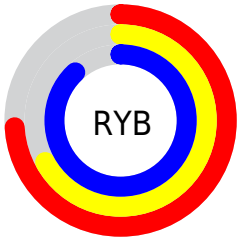
The Yxy color 45.2534, 0.2850, 0.2638 is a light color, and the websafe version is hex 9999CC. A complement of this color would be 70.2139, 0.3361, 0.3913, and the grayscale version is 46.8021, 0.3127, 0.3290.

A 20% lighter version of the original color is 81.0252, 0.3073, 0.3003, and 21.1643, 0.2763, 0.2469 is the 20% darker color. If you saturate the color by 10%, you get 35.6097, 0.2707, 0.2328, and if you desaturate by 10%, it is 56.5573, 0.2977, 0.2927.

Distribution

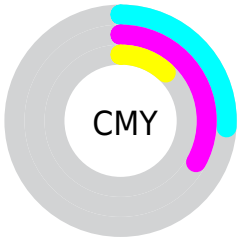


- Red (74%)
- Green (67%)
- Blue (88%)



- Red (74%)
- Yellow (67%)
- Blue (88%)

- Cyan (16%)
- Magenta (24%)
- Yellow (0%)
- Black (12%)



- Cyan (26%)
- Magenta (33%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 45.2534, 0.2850, 0.2638 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 45.2534, 0.2850, 0.2638 by changing the saturation by 10% instead.

45.2534, 0.2850, 0.2638

45.2534, 0.2850, 0.2638

367.7989, 0.2992, 0.2951

31.6571, 0.2814, 0.2564

83.1005, 0.2902, 0.2749

21.0997, 0.2768, 0.2471

108.1201, 0.2921, 0.2791

13.1969, 0.2706, 0.2352

137.7163, 0.2938, 0.2828

7.5643, 0.2620, 0.2194

172.2733, 0.2952, 0.2859

3.8174, 0.2494, 0.1974

212.1757, 0.2964, 0.2886

1.5720, 0.2291, 0.1654

257.8079, 0.2974,

0.3386, 0.1976,

0.2911

0.0916

309.5541, 0.2983, 0.2932

0.0000, 0.0000, 0.0000

45.2534, 0.2850, 0.2638

45.2534, 0.2850, 0.2638

35.6097, 0.2707, 0.2328

56.5573, 0.2977, 0.2927

27.5408, 0.2549, 0.2007

69.5901, 0.3087, 0.3192

20.9620, 0.2381, 0.1687

84.4234, 0.3182, 0.3429

15.7781, 0.2210, 0.1385

97.2255, 0.3269, 0.3585

11.8828, 0.2045, 0.1122

98.2170, 0.3303, 0.3581

9.1534, 0.1896, 0.0914

7.4422, 0.1771, 0.0773

6.7659, 0.1709, 0.0715

Harmonies

Analogous

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

45.2534, 0.2525, 0.2615

45.2534, 0.2850, 0.2638

45.2534, 0.3273, 0.2809

Triad

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

45.2534, 0.2850, 0.2638

45.2534, 0.3952, 0.3756

45.2534, 0.2588, 0.3475

Complementary

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

45.2534, 0.2850, 0.2638

70.2139, 0.3361, 0.3913

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.

45.2534, 0.2944, 0.3854

45.2534, 0.2850, 0.2638

45.2534, 0.3737, 0.3995

Square

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

45.2534, 0.2850, 0.2638

45.2534, 0.3934, 0.3427

45.2534, 0.3365, 0.4047

45.2534, 0.2382, 0.3065

Rectangle

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

45.2534, 0.2850, 0.2638

45.2534, 0.3554, 0.2986

45.2534, 0.3365, 0.4047

45.2534, 0.2693, 0.3613

Sweetspot

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

45.2553, 0.2850, 0.2638

86.8873, 0.3055, 0.3114

59.6046, 0.2758, 0.3093

18.3673, 0.3049, 0.3098

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.

45.2553, 0.2850, 0.2638

53.1667, 0.2777, 0.2479

48.8943, 0.3064, 0.2678

13.4512, 0.3029, 0.3051

3.9533, 0.1723, 0.0723

0.3206, 0.1891, 0.0815

Inverse Universe

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

49.6950, 0.3296, 0.2873

60.1406, 0.3341, 0.2779

66.7201, 0.3170, 0.3952

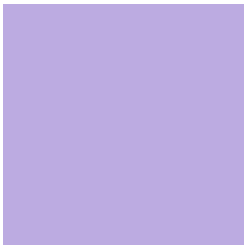
13.8585, 0.3186, 0.3131

10.5962, 0.4196, 0.2085

0.7504, 0.4007, 0.1981

Previews

White Background

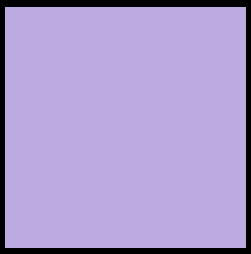


This preview shows how the Yxy color 45.2534, 0.2850, 0.2638 looks on a white background.

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



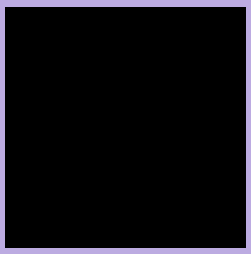
This preview shows how the Yxy color 45.2534, 0.2850, 0.2638 looks on a black background.

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 45.2534, 0.2850, 0.2638 Background



This preview shows how black text looks on a background with the Yxy color 45.2534, 0.2850, 0.2638.

This preview shows how white text looks on a background with the Yxy color 45.2534, 0.2850, 0.2638.

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

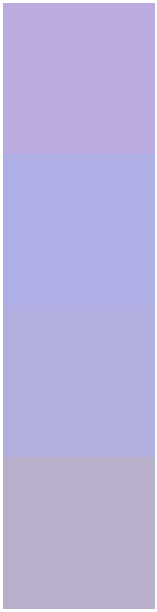
Original Color
45.2534, 0.2850, 0.2638

Protanopia
45.2644, 0.2656, 0.2629

Deuteranopia
45.4312, 0.2752, 0.2693

Tritanopia
45.1510, 0.3058, 0.3109

Trichromacy



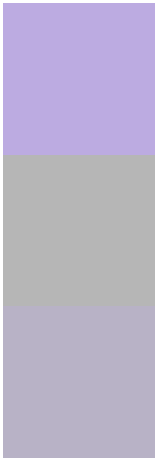
Original Color
45.2534, 0.2850, 0.2638

Protanomaly
45.2601, 0.2725, 0.2636

Deuteranomaly
45.2376, 0.2789, 0.2674

Tritanomaly
45.1621, 0.2982, 0.2936

Monochromacy



Original Color
45.2534, 0.2850, 0.2638

Achromatopsia
46.7784, 0.3127, 0.3290

Achromatomaly
46.1084, 0.3021, 0.3036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.2534, 0.2850, 0.2638 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(188, 171, 225) looks like.

```
.text, #text, p{
    color:rgb(188, 171, 225)
}
```

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(188, 171, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 171, 225) }
```

Border

The CSS property to change the border of an element to Yxy 45.2534, 0.2850, 0.2638 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(188, 171, 225) }
```

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

```
.border{ border-color:rgb(188, 171, 225) }
```

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

Here you see how a box with a 4 pixel rgb(188, 171, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 171, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 171, 225); box-shadow:4px 4px 4px 4px rgb(188, 171, 225) }
```

Background

The CSS property to change the background color of an element to Yxy 45.2534, 0.2850, 0.2638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(188, 171, 225) }
```

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

```
.background{ background-color:rgb(188,
171, 225) }
```

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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