

Converting Colors

$Yxy(38.4587, 0.2767, 0.2623)$

Have a look what the booklet for
Yxy(38.4587, 0.2767, 0.2623)
contains.

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Color

Yxy(38.4587, 0.2767, 0.2623)

Conversions

Conversions Part 1

Format	Color
Hex	A7A1D4
RGB	167, 161, 212
RGB Percent	65%, 63%, 83%
CMY	0.3450, 0.3686, 0.1685
CMYK	0.21, 0.24, 0.00, 0.17
HSL	247°, 37%, 73%
HSV	247°, 24%, 83%
XYZ	40.5700, 38.4587, 67.5923
YIQ	168.6080, -12.7950, 17.1330

Conversions

Conversions Part 2

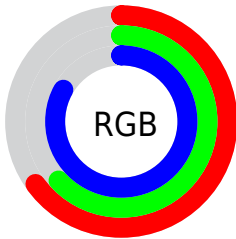
Format	Color
R _Y B	167, 161, 212
Decimal	10985940
CIE Lab	68.36, 12.86, -25.17
CIE LCh	68, 28.262, 297.060
Yxy	38.4587, 0.2767, 0.2623
Android (android.graphics.Color)	4289176020 (0xFFA7A1D4)
YUV	168.6080, 21.3923, -1.4102
Hunter-Lab	62.0151, 8.2477, -21.2116

Details

The Yxy color **38.4587, 0.2767, 0.2623** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.7989, 0.3440, 0.3897**, and the grayscale version is **39.3720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0197, 0.2925, 0.2884**, and **17.1636, 0.2657, 0.2452** is the 20% darker color. If you saturate the color by 10%, you get **29.7757, 0.2586, 0.2298**, and if you desaturate by 10%, it is **48.6959, 0.2930, 0.2922**.

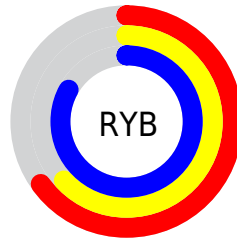
Distribution



Red (65%)

Green (63%)

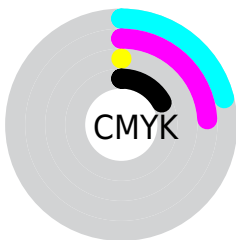
Blue (83%)



Red (65%)

Yellow (63%)

Blue (83%)

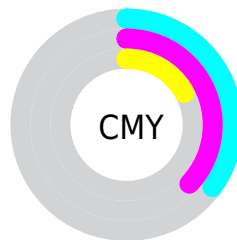


Cyan (21%)

Magenta (24%)

Yellow (0%)

Black (17%)



Cyan (35%)

Magenta (37%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 38.4587, 0.2767, 0.2623 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 38.4587, 0.2767, 0.2623 by changing the saturation by 10% instead.

■ 38.4587, 0.2767,
0.2623

■ 38.4587, 0.2767,
0.2623

■ 339.5836, 0.2954,
0.2953

■ 26.3389, 0.2719,
0.2542

■ 72.8107, 0.2836,
0.2742

■ 17.0773, 0.2656,
0.2439

■ 95.8116, 0.2862,
0.2787

■ 10.2896, 0.2572,
0.2305

■ 123.2084, 0.2883,
0.2825

■ 5.5914, 0.2452,
0.2122

■ 155.3854, 0.2901,
0.2858

■ 2.5983, 0.2272,
0.1862

■ 192.7270, 0.2917,
0.2887

■ 0.9258, 0.1977,
0.1471

■ 235.6177, 0.2931,

■ 0.0000, 0.0769,

0.2912

0.0000

284.4417, 0.2943,
0.2934

0.0000, 0.0000,
0.0000

38.4587, 0.2767,
0.2623

38.4587, 0.2767,
0.2623

29.7757, 0.2586,
0.2298

48.6959, 0.2930,
0.2922

22.5662, 0.2391,
0.1956

60.5534, 0.3074,
0.3190

16.7496, 0.2190,
0.1613

74.0990, 0.3199,
0.3427

12.2352, 0.1995,
0.1290

89.3954, 0.3306,
0.3634

8.9218, 0.1820,
0.1012

97.5350, 0.3381,
0.3710

■ 6.6931, 0.1677,
0.0801

■ 5.4090, 0.1578,
0.0669

■ 4.9619, 0.1539,
0.0621

Harmonies

Analogous

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



38.4587, 0.2476, 0.2637



38.4587, 0.2767, 0.2623



38.4587, 0.3173, 0.2762

Triad

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



38.4587, 0.2767, 0.2623



38.4587, 0.3965, 0.3684



38.4587, 0.2661, 0.3568

Complementary

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



38.4587, 0.2767, 0.2623



62.7989, 0.3440, 0.3897

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.



38.4587, 0.3038, 0.3914



38.4587, 0.2767, 0.2623



38.4587, 0.3799, 0.3950

Square

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



38.4587, 0.2767, 0.2623



38.4587, 0.3890, 0.3348



38.4587, 0.3456, 0.4050



38.4587, 0.2418, 0.3154

Rectangle

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



38.4587, 0.2767, 0.2623



38.4587, 0.3459, 0.2924



38.4587, 0.3456, 0.4050



38.4587, 0.2776, 0.3699

Sweetspot

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



38.4603, 0.2767, 0.2623



86.2705, 0.3033, 0.3113



56.5112, 0.2768, 0.3214



18.2249, 0.3024, 0.3097



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.



38.4603, 0.2767, 0.2623



51.2061, 0.2674, 0.2456



41.5106, 0.2983, 0.2663



12.0782, 0.2999, 0.3050



3.0849, 0.1545, 0.0625



0.2100, 0.1661, 0.0689

Inverse Universe

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



43.9464, 0.3207, 0.2761



60.9989, 0.3227, 0.2644



59.4461, 0.3241, 0.3937



12.6063, 0.3156, 0.3087



10.8655, 0.3529, 0.1718



0.6627, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 38.4587, 0.2767, 0.2623 looks on a white background.

Color Contrast Check

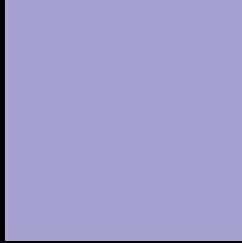
Large Text (above 18pt) WCAG AA × Fail

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 38.4587, 0.2767, 0.2623 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

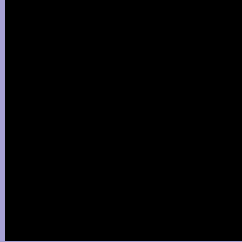
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4587, 0.2767, 0.2623

Background



This preview shows how black text looks on a background with the Yxy color 38.4587, 0.2767, 0.2623.



This preview shows how white text looks on a background with the Yxy color 38.4587, 0.2767, 0.2623.

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

38.4587, 0.2767, 0.2623

Protanopia

38.6866, 0.2648, 0.2624

Deuteranopia

38.3188, 0.2705, 0.2639



Tritanopia

38.5098, 0.2966, 0.3107

Trichromacy



Original Color

38.4587, 0.2767, 0.2623

Protanomaly

38.7769, 0.2692, 0.2629

Deuteranomaly

38.2755, 0.2728, 0.2629

Tritanomaly

38.5026, 0.2887, 0.2920

Monochromacy



Original Color

38.4587, 0.2767, 0.2623

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.1000, 0.2986, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4587, 0.2767, 0.2623 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(167, 161, 212)` looks like.

```
.text, #text, p{  
    color:rgb(167, 161, 212)  
}
```

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(167, 161, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 161, 212) }
```

Border

The CSS property to change the border of an element to Yxy 38.4587, 0.2767, 0.2623 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(167, 161, 212) }
```

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

```
.border{ border-color:rgb(167, 161, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 161, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 161, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 161, 212);  
box-shadow:4px 4px 4px 4px rgb(167, 161,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4587, 0.2767, 0.2623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 161, 212) }
```

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

```
.background{ background-color: rgb(167,  
161, 212) }
```

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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