

Converting Colors

Yxy(51.2427, 0.2836, 0.2801)

Have a look what the booklet for
Yxy(51.2427, 0.2836, 0.2801)
contains.

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Color

Yxy(51.2287, 0.2837, 0.2800)

Conversions

Conversions Part 1

Format	Color
Hex	BBBAE3
RGB	187, 186, 227
RGB Percent	73%, 73%, 89%
CMY	0.2669, 0.2705, 0.1098
CMYK	0.18, 0.18, 0.00, 0.11
HSL	241°, 42%, 81%
HSV	241°, 18%, 89%
XYZ	51.9057, 51.2287, 79.8253
YIQ	190.9730, -12.5650, 12.9630

Conversions

Conversions Part 2

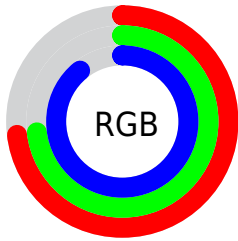
Format	Color
R _Y B	187, 186, 227
Decimal	12303075
CIE Lab	76.82, 8.62, -20.31
CIE LCh	77, 22.062, 292.990
Yxy	51.2287, 0.2837, 0.2800
Android (android.graphics.Color)	4290493155 (0xFFBBBAE3)
YUV	190.9730, 17.7613, -3.4843
Hunter-Lab	71.5742, 4.1934, -16.0230

Details

The Yxy color **51.2287, 0.2837, 0.2800** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **74.6679, 0.3391, 0.3739**, and the grayscale version is **51.9809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9574, 0.3062, 0.3163**, and **24.7402, 0.2751, 0.2669** is the 20% darker color. If you saturate the color by 10%, you get **39.8274, 0.2648, 0.2482**, and if you desaturate by 10%, it is **64.5862, 0.3006, 0.3085**.

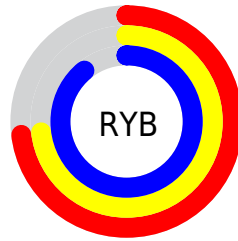
Distribution



Red (73%)

Green (73%)

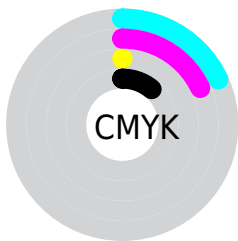
Blue (89%)



Red (73%)

Yellow (73%)

Blue (89%)

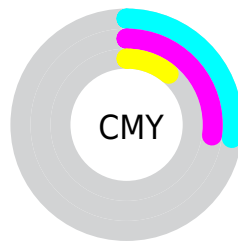


Cyan (18%)

Magenta (18%)

Yellow (0%)

Black (11%)



Cyan (27%)

Magenta (27%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2287, 0.2837, 0.2800 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 51.2287, 0.2837, 0.2800 by changing the saturation by 10% instead.

■ 51.2287, 0.2837,
0.2800

■ 51.2287, 0.2837,
0.2800

■ 391.4517, 0.2980,
0.3035

■ 36.3906, 0.2802,
0.2745

■ 91.9927, 0.2888,
0.2883

■ 24.7361, 0.2758,
0.2675

■ 118.6875, 0.2908,
0.2915

■ 15.8805, 0.2700,
0.2586

■ 150.1033, 0.2924,
0.2942

■ 9.4396, 0.2621,
0.2466

■ 186.6246, 0.2939,
0.2966

■ 5.0290, 0.2507,
0.2300

■ 228.6356, 0.2951,
0.2986

■ 2.2643, 0.2332,
0.2054

■ 276.5209, 0.2962,

■ 0.7547, 0.2035,

0.3004


0.1650


330.6648, 0.2972,
0.3020


 0.0000, 0.0000,
0.0000


 51.2287, 0.2837,
0.2800


 51.2287, 0.2837,
0.2800


 39.8274, 0.2648,
0.2482


 64.5862, 0.3006,
0.3085


 30.2844, 0.2443,
0.2139


 79.9788, 0.3154,
0.3336

 22.5034, 0.2230,
0.1784

 97.4889, 0.3283,
0.3554

 16.3764, 0.2020,
0.1436

 98.3261, 0.3292,
0.3562

 11.7839, 0.1830,
0.1123

■ 8.5902, 0.1675,
0.0872

■ 6.6360, 0.1568,
0.0701

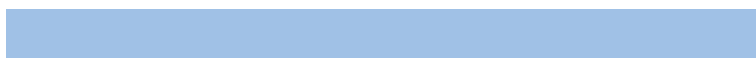
■ 5.7027, 0.1512,
0.0615

■ 5.5787, 0.1505,
0.0603

Harmonies

Analogous

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



51.2287, 0.2638, 0.2832



51.2287, 0.2837, 0.2800



51.2287, 0.3122, 0.2886

Triad

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



51.2287, 0.2837, 0.2800



51.2287, 0.3723, 0.3552



51.2287, 0.2829, 0.3524

Complementary

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



51.2287, 0.2837, 0.2800



74.6679, 0.3391, 0.3739

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.



51.2287, 0.3110, 0.3745



51.2287, 0.2837, 0.2800



51.2287, 0.3632, 0.3745

Square

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



51.2287, 0.2837, 0.2800



51.2287, 0.3645, 0.3306



51.2287, 0.3405, 0.3824



51.2287, 0.2633, 0.3239

Rectangle

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



51.2287, 0.2837, 0.2800



51.2287, 0.3325, 0.2999



51.2287, 0.3405, 0.3824



51.2287, 0.2916, 0.3610

Sweetspot

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



51.2308, 0.2837, 0.2800



89.8451, 0.3053, 0.3165



70.5540, 0.2856, 0.3281



18.9368, 0.3042, 0.3146



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.



51.2308, 0.2837, 0.2800



60.3208, 0.2762, 0.2674



53.9675, 0.2992, 0.2822



13.9024, 0.2984, 0.3047



3.2601, 0.1507, 0.0604



0.2463, 0.1527, 0.0615

Inverse Universe

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



56.9547, 0.3155, 0.2853



69.2006, 0.3162, 0.2752



71.5823, 0.3243, 0.3760



14.6094, 0.3141, 0.3064



12.6007, 0.3265, 0.1572



0.9329, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 51.2287, 0.2837, 0.2800 looks on a white background.

Color Contrast Check

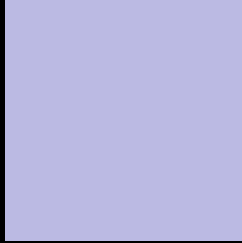
Large Text (above 18pt) WCAG AA × Fail

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 51.2287, 0.2837, 0.2800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

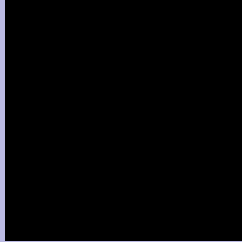
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2287, 0.2837, 0.2800

Background



This preview shows how black text looks on a background with the Yxy color 51.2287, 0.2837, 0.2800.



This preview shows how white text looks on a background with the Yxy color 51.2287, 0.2837, 0.2800.

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

51.2287, 0.2837, 0.2800

Protanopia

51.3916, 0.2788, 0.2807

Deuteranopia

51.0628, 0.2852, 0.2790



Tritanopia

51.3020, 0.2961, 0.3103

Trichromacy



Original Color

51.2287, 0.2837, 0.2800

Protanomaly

51.2094, 0.2802, 0.2797

Deuteranomaly

50.9353, 0.2844, 0.2789

Tritanomaly

51.3896, 0.2912, 0.2995

Monochromacy



Original Color

51.2287, 0.2837, 0.2800

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

51.7020, 0.3023, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2287, 0.2837, 0.2800 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(187, 186, 227)` looks like.

```
.text, #text, p{  
    color:rgb(187, 186, 227)  
}
```

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(187, 186, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 186, 227) }
```

Border

The CSS property to change the border of an element to Yxy 51.2287, 0.2837, 0.2800 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(187, 186, 227) }
```

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

```
.border{ border-color:rgb(187, 186, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 186, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 186, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 186, 227);  
box-shadow:4px 4px 4px 4px rgb(187, 186,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2287, 0.2837, 0.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 186, 227) }
```

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

```
.background{ background-color: rgb(187,  
186, 227) }
```

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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