

Converting Colors

Yxy(37.9899, 0.2800, 0.2433)

Have a look what the booklet for
Yxy(37.9899, 0.2800, 0.2433)
contains.

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Color

Yxy(37.8801, 0.2804, 0.2434)

Conversions

Conversions Part 1

Format	Color
Hex	B599DE
RGB	181, 153, 222
RGB Percent	71%, 60%, 87%
CMY	0.2900, 0.4000, 0.1295
CMYK	0.18, 0.31, 0.00, 0.13
HSL	264°, 51%, 74%
HSV	264°, 31%, 87%
XYZ	43.6384, 37.8801, 74.1105
YIQ	169.2380, -5.4610, 27.3950

Conversions

Conversions Part 2

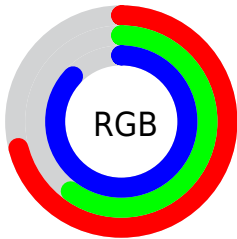
Format	Color
R_{YB}	181, 153, 222
Decimal	11901406
CIE _{Lab}	67.93, 23.95, -31.22
CIE _{LCh}	68, 39.347, 307.495
Yxy	37.8801, 0.2804, 0.2434
Android (android.graphics.Color)	4290091486 (0xFFB599DE)
YUV	169.2380, 26.0117, 10.3153
Hunter-Lab	61.5468, 18.8545, -28.3103

Details

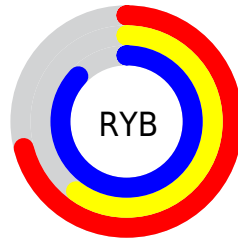
The Yxy color **37.8801, 0.2804, 0.2434** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.9967, 0.3379, 0.4122**, and the grayscale version is **39.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.5089, 0.3027, 0.2814**, and **16.8048, 0.2694, 0.2211** is the 20% darker color. If you saturate the color by 10%, you get **29.7607, 0.2670, 0.2125**, and if you desaturate by 10%, it is **47.5049, 0.2924, 0.2731**.

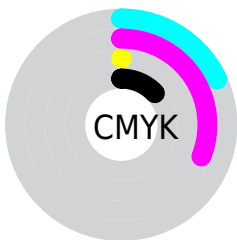
Distribution



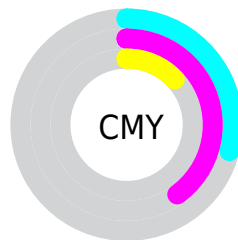
- Red (71%)
- Green (60%)
- Blue (87%)



- Red (71%)
- Yellow (60%)
- Blue (87%)



- Cyan (18%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (29%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.8801, 0.2804, 0.2434 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 37.8801, 0.2804, 0.2434 by changing the saturation by 10% instead.

37.8801, 0.2804,
0.2434

37.8801, 0.2804,
0.2434

337.1054, 0.2976,
0.2849

25.8896, 0.2759,
0.2335

71.9243, 0.2868,
0.2581

16.7411, 0.2699,
0.2212

94.7469, 0.2892,
0.2638

10.0501, 0.2619,
0.2053

121.9489, 0.2912,
0.2686

5.4322, 0.2505,
0.1843

153.9149, 0.2928,
0.2727

2.5030, 0.2331,
0.1556

191.0291, 0.2943,
0.2764

0.8781, 0.2049,
0.1152

233.6760, 0.2955,

0.0000, 0.1379,

0.2795

0.0000

282.2399, 0.2966,
0.2824

0.0000, 0.0000,
0.0000

37.8801, 0.2804,
0.2434

37.8801, 0.2804,
0.2434

29.7607, 0.2670,
0.2125

47.5049, 0.2924,
0.2731

23.0627, 0.2525,
0.1816

58.7037, 0.3028,
0.3009

17.7009, 0.2373,
0.1521

71.5465, 0.3118,
0.3264

13.5789, 0.2220,
0.1257

86.0975, 0.3195,
0.3494

10.5862, 0.2075,
0.1041

96.5508, 0.3269,
0.3617

■ 8.5919, 0.1944,
0.0883

■ 98.0533, 0.3322,
0.3611

■ 7.4603, 0.1844,
0.0789

Harmonies

Analogous

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



37.8801, 0.2350, 0.2370



37.8801, 0.2804, 0.2434



37.8801, 0.3394, 0.2679

Triad

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



37.8801, 0.2804, 0.2434



37.8801, 0.4244, 0.3950



37.8801, 0.2341, 0.3468

Complementary

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



37.8801, 0.2804, 0.2434



65.9967, 0.3379, 0.4122

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.



37.8801, 0.2795, 0.4041



37.8801, 0.2804, 0.2434



37.8801, 0.3900, 0.4283

Square

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



37.8801, 0.2804, 0.2434



37.8801, 0.4273, 0.3507



37.8801, 0.3366, 0.4349



37.8801, 0.2102, 0.2899

Rectangle

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



37.8801, 0.2804, 0.2434



37.8801, 0.3783, 0.2921



37.8801, 0.3366, 0.4349



37.8801, 0.2471, 0.3672

Sweetspot

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



37.8816, 0.2804, 0.2434



83.7294, 0.3047, 0.3062



50.8017, 0.2642, 0.2937



17.3964, 0.3033, 0.3023



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.



37.8816, 0.2804, 0.2434



44.7316, 0.2723, 0.2243



42.5129, 0.3102, 0.2506



13.5140, 0.3044, 0.3052



4.4929, 0.1859, 0.0798



0.3627, 0.2033, 0.0893

Inverse Universe

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



42.1989, 0.3419, 0.2815



51.6184, 0.3497, 0.2718



61.9985, 0.3131, 0.4189



13.8364, 0.3200, 0.3152



10.2320, 0.4562, 0.2287



0.7268, 0.4297, 0.2141

Previews

White Background



This preview shows how the Yxy color 37.8801, 0.2804, 0.2434 looks on a white background.

Color Contrast Check

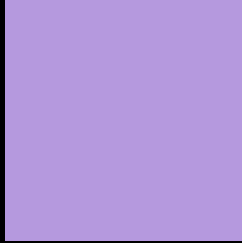
Large Text (above 18pt) WCAG AA × Fail

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 37.8801, 0.2804, 0.2434 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

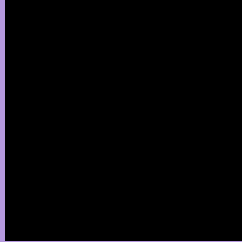
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.8801, 0.2804, 0.2434

Background



This preview shows how black text looks on a background with the Yxy color 37.8801, 0.2804, 0.2434.



This preview shows how white text looks on a background with the Yxy color 37.8801, 0.2804, 0.2434.

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

37.8801, 0.2804, 0.2434

Protanopia

38.0185, 0.2493, 0.2416

Deuteranopia

38.0371, 0.2598, 0.2536



Tritanopia

37.8200, 0.3117, 0.3111

Trichromacy



Original Color

37.8801, 0.2804, 0.2434

Protanomaly

37.7133, 0.2599, 0.2416

Deuteranomaly

37.8033, 0.2669, 0.2488

Tritanomaly

37.8322, 0.3000, 0.2850

Monochromacy



Original Color

37.8801, 0.2804, 0.2434

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

38.7095, 0.3006, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.8801, 0.2804, 0.2434 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(181, 153, 222)` looks like.

```
.text, #text, p{  
    color:rgb(181, 153, 222)  
}
```

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(181, 153, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 153, 222) }
```

Border

The CSS property to change the border of an element to Yxy 37.8801, 0.2804, 0.2434 is called "border". The border property can be set on classes, ids or directly on the HTML element.

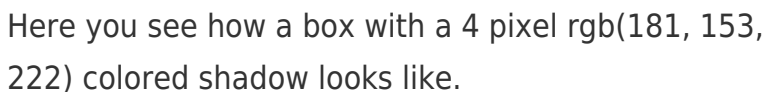
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(181, 153, 222) }
```

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

```
.border{ border-color:rgb(181, 153, 222) }
```

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



Here you see how a box with a 4 pixel `rgb(181, 153, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(181, 153, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(181, 153, 222); box-shadow:4px 4px 4px 4px rgb(181, 153, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 37.8801, 0.2804, 0.2434 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 153, 222) }
```

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

```
.background{ background-color: rgb(181,  
153, 222) }
```

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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