

Converting Colors

$Y_{xy}(35.5845, 0.2803, 0.2374)$

Have a look what the booklet for
Yxy(35.5845, 0.2803, 0.2374)
contains.

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Color

Yxy(35.7380, 0.2806, 0.2378)

Conversions

Conversions Part 1

Format	Color
Hex	B493DC
RGB	180, 147, 220
RGB Percent	71%, 58%, 86%
CMY	0.2942, 0.4235, 0.1373
CMYK	0.18, 0.33, 0.00, 0.14
HSL	267°, 51%, 72%
HSV	267°, 33%, 86%
XYZ	42.1702, 35.7380, 72.3777
YIQ	165.1890, -3.7650, 29.6990

Conversions

Conversions Part 2

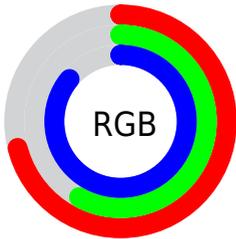
Format	Color
RYB	180, 147, 220
Decimal	11834332
CIELab	66.32, 26.53, -32.62
CIELCh	66, 42.043, 309.122
Yxy	35.7380, 0.2806, 0.2378
Android (android.graphics.Color)	4290024412 (0xFFB493DC)
YUV	165.1890, 27.0218, 12.9892
Hunter-Lab	59.7813, 21.2983, -29.9360

Details

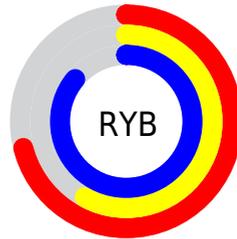
The Yxy color **35.7380, 0.2806, 0.2378** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **63.8546, 0.3369, 0.4189**, and the grayscale version is **37.5917, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.9978, 0.3021, 0.2740**, and **15.5180, 0.2695, 0.2136** is the 20% darker color. If you saturate the color by 10%, you get **28.1540, 0.2680, 0.2074**, and if you desaturate by 10%, it is **44.7590, 0.2919, 0.2674**.

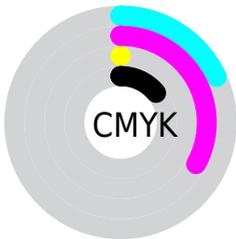
Distribution



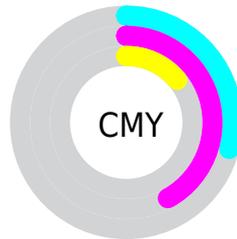
- Red (71%)
- Green (58%)
- Blue (86%)



- Red (71%)
- Yellow (58%)
- Blue (86%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (14%)



- Cyan (29%)
- Magenta (42%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 35.7380, 0.2806, 0.2378 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 35.7380, 0.2806, 0.2378 by changing the saturation by 10% instead.

 35.7380, 0.2806,
0.2378

 35.7380, 0.2806,
0.2378

327.8139, 0.2979,
0.2821

 24.2319, 0.2759,
0.2272

 68.6275, 0.2872,
0.2536

 15.5057, 0.2698,
0.2140

 90.7797, 0.2895,
0.2596

 9.1751, 0.2614,
0.1970

117.2494, 0.2915,
0.2647

 4.8556, 0.2494,
0.1746

148.4209, 0.2932,
0.2692

 2.1628, 0.2310,
0.1441

184.6788, 0.2947,
0.2730

 0.6996, 0.2009,
0.1000

226.4073, 0.2959,

 0.0000, 0.1091,

0.2764

0.0000

273.9909, 0.2970,
0.2795

 0.0000, 0.0000,
0.0000

 35.7380, 0.2806,
0.2378

 35.7380, 0.2806,
0.2378

 28.1540, 0.2680,
0.2074

 44.7590, 0.2919,
0.2674

 21.9247, 0.2544,
0.1773

 55.2847, 0.3018,
0.2954

 16.9659, 0.2401,
0.1490

 67.3834, 0.3103,
0.3213

 13.1817, 0.2258,
0.1242

 81.1181, 0.3175,
0.3448

 10.4619, 0.2121,
0.1043

 95.2613, 0.3238,
0.3642

■ 8.6739, 0.1997,
0.0901

■ 97.4458, 0.3316,
0.3633

■ 7.8419, 0.1922,
0.0832

■ 97.9467, 0.3334,
0.3631

Harmonies

Analogous

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



35.7380, 0.2307, 0.2296



35.7380, 0.2806, 0.2378



35.7380, 0.3451, 0.2650

Triad

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



35.7380, 0.2806, 0.2378



35.7380, 0.4325, 0.4019



35.7380, 0.2253, 0.3444

Complementary

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



35.7380, 0.2806, 0.2378



63.8546, 0.3369, 0.4189

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.



35.7380, 0.2731, 0.4086



35.7380, 0.2806, 0.2378



35.7380, 0.3932, 0.4379

Square

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



35.7380, 0.2806, 0.2378



35.7380, 0.4384, 0.3543



35.7380, 0.3345, 0.4444



35.7380, 0.2015, 0.2831

Rectangle

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



35.7380, 0.2806, 0.2378



35.7380, 0.3873, 0.2912



35.7380, 0.3345, 0.4444



35.7380, 0.2389, 0.3670

Sweetspot

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



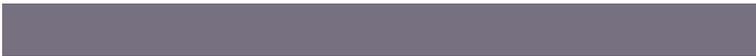
35.7395, 0.2806, 0.2378



82.2403, 0.3045, 0.3036



46.9750, 0.2603, 0.2860



17.1078, 0.3033, 0.2999



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.



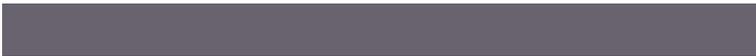
35.7395, 0.2806, 0.2378



42.1565, 0.2717, 0.2160



40.6888, 0.3132, 0.2462



12.9038, 0.3051, 0.3053



4.6671, 0.1938, 0.0841



0.3531, 0.2121, 0.0942

Inverse Universe

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



39.6737, 0.3477, 0.2820



48.6416, 0.3582, 0.2717



59.8347, 0.3106, 0.4266



13.1704, 0.3206, 0.3163



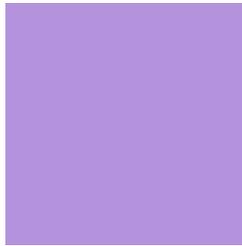
9.7571, 0.4747, 0.2389



0.6494, 0.4428, 0.2213

Previews

White Background



This preview shows how the Yxy color 35.7380, 0.2806, 0.2378 looks on a white background.

Color Contrast Check

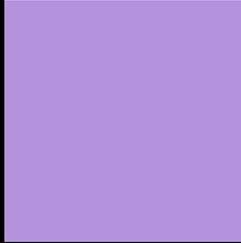
Large Text (above 18pt) WCAG AA × Fail

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 35.7380, 0.2806, 0.2378 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

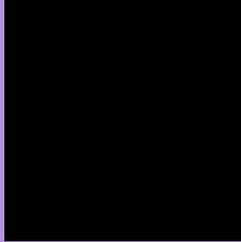
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

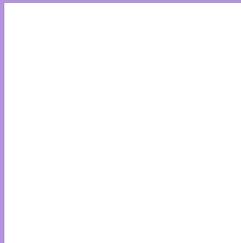
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.7380, 0.2806, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 35.7380, 0.2806, 0.2378.



This preview shows how white text looks on a background with the Yxy color 35.7380, 0.2806, 0.2378.

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

35.7380, 0.2806, 0.2378

Protanopia

35.9424, 0.2443, 0.2361

Deuteranopia

35.9692, 0.2559, 0.2494



Tritanopia

35.6364, 0.3154, 0.3121

Trichromacy



Original Color

35.7380, 0.2806, 0.2378

Protanomaly

35.8037, 0.2561, 0.2365

Deuteranomaly

35.8263, 0.2638, 0.2448

Tritanomaly

35.4120, 0.3016, 0.2816

Monochromacy



Original Color

35.7380, 0.2806, 0.2378

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.5025, 0.3004, 0.2920

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7380, 0.2806, 0.2378 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(180, 147, 220)` looks like.

```
.text, #text, p{  
    color:rgb(180, 147, 220)  
}
```

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(180, 147, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 147, 220) }
```

Border

The CSS property to change the border of an element to Yxy 35.7380, 0.2806, 0.2378 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(180, 147, 220) }
```

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

```
.border{ border-color:rgb(180, 147, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 147, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 147, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 147, 220);  
box-shadow:4px 4px 4px 4px rgb(180, 147,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7380, 0.2806, 0.2378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 147, 220) }
```

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

```
.background{ background-color: rgb(180,  
147, 220) }
```

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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