

Converting Colors

Yxy(33.3617, 0.2800, 0.2350)

Have a look what the booklet for
Yxy(33.3617, 0.2800, 0.2350)
contains.

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Color

Yxy(33.4824, 0.2806, 0.2358)

Conversions

Conversions Part 1

Format	Color
Hex	B08ED7
RGB	176, 142, 215
RGB Percent	69%, 56%, 84%
CMY	0.3098, 0.4431, 0.1568
CMYK	0.18, 0.34, 0.00, 0.16
HSL	268°, 48%, 70%
HSV	268°, 34%, 84%
XYZ	39.8438, 33.4824, 68.6687
YIQ	160.4880, -3.1690, 29.9110

Conversions

Conversions Part 2

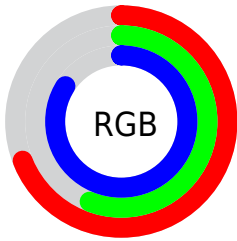
Format	Color
R _Y B	176, 142, 215
Decimal	11570903
CIE Lab	64.55, 27.01, -32.63
CIE LCh	65, 42.361, 309.613
Yxy	33.4824, 0.2806, 0.2358
Android (android.graphics.Color)	4289760983 (0xFFB08ED7)
YUV	160.4880, 26.8744, 13.6040
Hunter-Lab	57.8640, 21.6489, -29.8563

Details

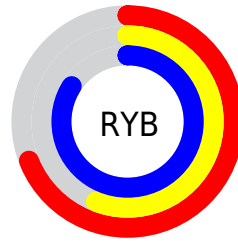
The Yxy color **33.4824, 0.2806, 0.2358** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **60.3948, 0.3366, 0.4213**, and the grayscale version is **35.2660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.8557, 0.2985, 0.2682**, and **14.1578, 0.2691, 0.2104** is the 20% darker color. If you saturate the color by 10%, you get **26.4069, 0.2683, 0.2056**, and if you desaturate by 10%, it is **41.9082, 0.2917, 0.2653**.

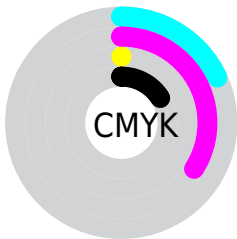
Distribution



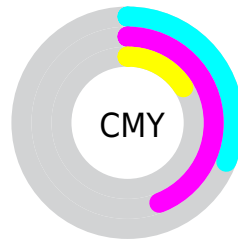
- Red (69%)
- Green (56%)
- Blue (84%)



- Red (69%)
- Yellow (56%)
- Blue (84%)



- Cyan (18%)
- Magenta (34%)
- Yellow (0%)
- Black (16%)





- Cyan (31%)
- Magenta (44%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4824, 0.2806, 0.2358 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 33.4824, 0.2806, 0.2358 by changing the saturation by 10% instead.


 33.4824, 0.2806,
0.2358


 33.4824, 0.2806,
0.2358


317.8179, 0.2982,
0.2815


 22.4963, 0.2758,
0.2248


 65.1279, 0.2873,
0.2521

 14.2220, 0.2695,
0.2110


 86.5561, 0.2897,
0.2583

 8.2752, 0.2607,
0.1932


 112.2338, 0.2917,
0.2636

 4.2716, 0.2480,
0.1695

142.5453, 0.2934,
0.2682

 1.8266, 0.2282,
0.1372

177.8751, 0.2949,
0.2722

 0.5037, 0.1967,
0.0844

218.6075, 0.2961,

 0.0000, 0.0458,

0.2757

0.0000

265.1270, 0.2972,
0.2788

0.0000, 0.0000,
0.0000

33.4824, 0.2806,
0.2358

33.4824, 0.2806,
0.2358

26.4069, 0.2683,
0.2056

41.9082, 0.2917,
0.2653

20.6036, 0.2549,
0.1758

51.7485, 0.3014,
0.2933

15.9924, 0.2409,
0.1480


63.0680, 0.3098,
0.3193


12.4822, 0.2269,
0.1237


75.9265, 0.3169,
0.3431

9.9679, 0.2135,
0.1044

90.3800, 0.3229,
0.3645

 8.3225, 0.2014,
0.0907

 95.8322, 0.3298,
0.3689

 7.6215, 0.1948,
0.0847

 97.6876, 0.3363,
0.3681

Harmonies

Analogous

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



33.4824, 0.2292, 0.2270



33.4824, 0.2806, 0.2358



33.4824, 0.3471, 0.2639

Triad

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



33.4824, 0.2806, 0.2358



33.4824, 0.4354, 0.4043



33.4824, 0.2223, 0.3435

Complementary

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



33.4824, 0.2806, 0.2358



60.3948, 0.3366, 0.4213

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.



33.4824, 0.2709, 0.4102



33.4824, 0.2806, 0.2358



33.4824, 0.3944, 0.4413

Square

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



33.4824, 0.2806, 0.2358



33.4824, 0.4423, 0.3554



33.4824, 0.3338, 0.4478



33.4824, 0.1984, 0.2807

Rectangle

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



33.4824, 0.2806, 0.2358



33.4824, 0.3905, 0.2909



33.4824, 0.3338, 0.4478



33.4824, 0.2360, 0.3669

Sweetspot

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



33.4838, 0.2806, 0.2358



82.3015, 0.3048, 0.3036



44.1823, 0.2591, 0.2849



17.1226, 0.3036, 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.



33.4838, 0.2806, 0.2358



41.3340, 0.2715, 0.2133



38.1588, 0.3132, 0.2443



12.2891, 0.3053, 0.3054



4.6192, 0.1963, 0.0855



0.3276, 0.2157, 0.0962

Inverse Universe

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



37.1357, 0.3498, 0.2821



47.6893, 0.3611, 0.2716



56.6459, 0.3105, 0.4292



12.5307, 0.3208, 0.3166



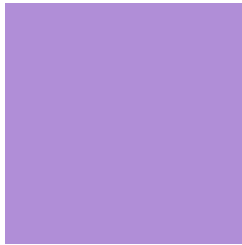
9.4021, 0.4802, 0.2419



0.5837, 0.4452, 0.2226

Previews

White Background



This preview shows how the Yxy color 33.4824, 0.2806, 0.2358 looks on a white background.

Color Contrast Check

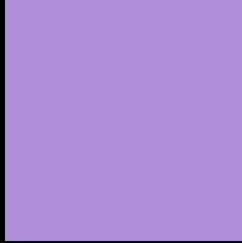
Large Text (above 18pt) WCAG AA × Fail

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 33.4824, 0.2806, 0.2358 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

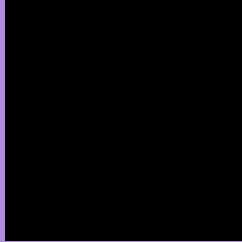
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4824, 0.2806, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 33.4824, 0.2806, 0.2358.



This preview shows how white text looks on a background with the Yxy color 33.4824, 0.2806, 0.2358.

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

33.4824, 0.2806, 0.2358

Protanopia

33.6158, 0.2421, 0.2327

Deuteranopia

33.8222, 0.2540, 0.2486



Tritanopia

33.3523, 0.3165, 0.3117

Trichromacy



Original Color

33.4824, 0.2806, 0.2358

Protanomaly

33.4227, 0.2547, 0.2342

Deuteranomaly

33.4400, 0.2626, 0.2427

Tritanomaly

33.1448, 0.3022, 0.2805

Monochromacy



Original Color

33.4824, 0.2806, 0.2358

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1847, 0.3010, 0.2910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4824, 0.2806, 0.2358 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(176, 142, 215)` looks like.

```
.text, #text, p{  
    color:rgb(176, 142, 215)  
}
```

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(176, 142, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 142, 215) }
```

Border

The CSS property to change the border of an element to Yxy 33.4824, 0.2806, 0.2358 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(176, 142, 215) }
```

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

```
.border{ border-color:rgb(176, 142, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 142, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 142, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 142, 215);  
box-shadow:4px 4px 4px 4px rgb(176, 142,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4824, 0.2806, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 142, 215) }
```

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

```
.background{ background-color: rgb(176,  
142, 215) }
```

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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