

Converting Colors

$Y_{xy}(16.9732, 0.3816, 0.2676)$

Have a look what the booklet for
Yxy(16.9732, 0.3816, 0.2676)
contains.

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Color

Yxy(16.9847, 0.3808, 0.2669)

Conversions

Conversions Part 1

Format	Color
Hex	AC5680
RGB	172, 86, 128
RGB Percent	67%, 34%, 50%
CMY	0.3256, 0.6627, 0.4981
CMYK	0.00, 0.50, 0.26, 0.33
HSL	331°, 34%, 51%
HSV	331°, 50%, 67%
XYZ	24.2329, 16.9847, 22.4193
YIQ	116.5020, 37.7740, 31.2940

Conversions

Conversions Part 2

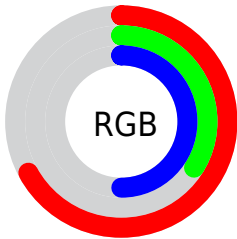
Format	Color
R_{YB}	172, 86, 128
Decimal	11294336
CIE _{Lab}	48.24, 40.15, -7.34
CIE _{LCh}	48, 40.814, 349.639
Yxy	16.9847, 0.3808, 0.2669
Android (android.graphics.Color)	4289484416 (0xFFAC5680)
YUV	116.5020, 5.6685, 48.6717
Hunter-Lab	41.2125, 32.8361, -3.4046

Details

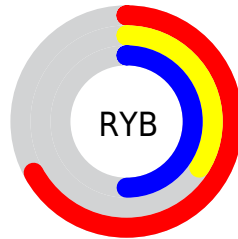
The Yxy color **16.9847, 0.3808, 0.2669** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **33.0879, 0.2758, 0.4034**, and the grayscale version is **17.6022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1712, 0.3647, 0.2799**, and **5.5485, 0.4087, 0.2426** is the 20% darker color. If you saturate the color by 10%, you get **14.3393, 0.4019, 0.2565**, and if you desaturate by 10%, it is **20.3126, 0.3623, 0.2790**.

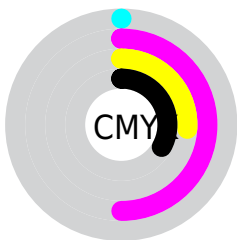
Distribution



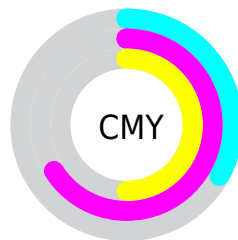
- Red (67%)
- Green (34%)
- Blue (50%)



- Red (67%)
- Yellow (34%)
- Blue (50%)



- Cyan (0%)
- Magenta (50%)
- Yellow (26%)
- Black (33%)



- Cyan (33%)
- Magenta (66%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9847, 0.3808, 0.2669 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 16.9847, 0.3808, 0.2669 by changing the saturation by 10% instead.


 16.9847, 0.3808,
0.2669


 16.9847, 0.3808,
0.2669


235.0842, 0.3419,
0.3017


 10.2236, 0.3926,
0.2567


 38.2995, 0.3653,
0.2806


 5.5475, 0.4092,
0.2427


 53.6219, 0.3599,
0.2854


 2.5719, 0.4344,
0.2220

 72.5669, 0.3555,
0.2893

 0.9126, 0.4766,
0.1890

 95.5189, 0.3518,
0.2926

 0.0000, 0.7253,
0.0000

 122.8622, 0.3488,
0.2954

 0.0000, 0.0000,
0.0000

154.9813, 0.3461,

0.2978

192.2605, 0.3439,
0.2999

■ 16.9847, 0.3808,
0.2669

■ 16.9847, 0.3808,
0.2669

■ 14.3393, 0.4019,
0.2565

■ 20.3126, 0.3623,
0.2790

■ 12.3252, 0.4253,
0.2489

■ 24.3645, 0.3465,
0.2918

■ 10.8880, 0.4501,
0.2454


■ 29.1812, 0.3331,
0.3047

■ 9.9627, 0.4752,
0.2468

■ 34.8001, 0.3220,
0.3172

■ 9.4087, 0.4997,
0.2527

■ 41.2558, 0.3127,
0.3290

 9.4076, 0.4998,
0.2527

 48.5812, 0.3050,
0.3401

 56.8070, 0.2987,
0.3504

 65.9627, 0.2935,
0.3598

 76.0765, 0.2891,
0.3685

Harmonies

Analogous

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



16.9847, 0.2988, 0.2285



16.9847, 0.3808, 0.2669



16.9847, 0.4476, 0.3189

Triad

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



16.9847, 0.3808, 0.2669



16.9847, 0.3851, 0.4719



16.9847, 0.1763, 0.2506

Complementary

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



16.9847, 0.3808, 0.2669



33.0879, 0.2758, 0.4034

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.



16.9847, 0.1926, 0.3172



16.9847, 0.3808, 0.2669



16.9847, 0.3099, 0.4661

Square

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



16.9847, 0.3808, 0.2669



16.9847, 0.4450, 0.4329



16.9847, 0.2395, 0.4032



16.9847, 0.1894, 0.2159

Rectangle

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



16.9847, 0.3808, 0.2669



16.9847, 0.4687, 0.3572



16.9847, 0.2395, 0.4032



16.9847, 0.1783, 0.2693

Sweetspot

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



16.9855, 0.3808, 0.2669



57.5731, 0.3276, 0.3106



14.3040, 0.2648, 0.1911



12.0695, 0.3299, 0.3081



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9855, 0.3808, 0.2669



25.5665, 0.4044, 0.2555



16.0996, 0.4505, 0.3294



8.0781, 0.3213, 0.3180



7.0139, 0.4975, 0.2514



0.2062, 0.4307, 0.2146

Inverse Universe

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



16.9855, 0.3808, 0.2669



25.5665, 0.4044, 0.2555



34.4536, 0.2484, 0.3288



8.0781, 0.3213, 0.3180



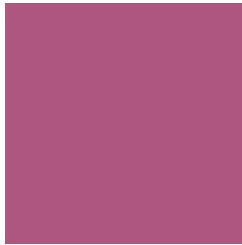
7.0139, 0.4975, 0.2514



0.2062, 0.4307, 0.2146

Previews

White Background



This preview shows how the Yxy color 16.9847, 0.3808, 0.2669 looks on a white background.

Color Contrast Check

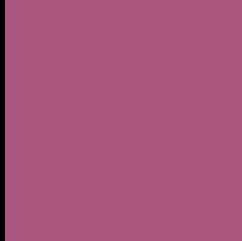
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 16.9847, 0.3808, 0.2669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

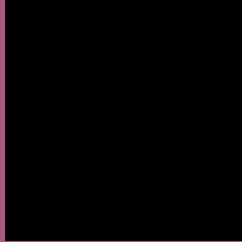
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9847, 0.3808, 0.2669

Background



This preview shows how black text looks on a background with the Yxy color 16.9847, 0.3808, 0.2669.



This preview shows how white text looks on a background with the Yxy color 16.9847, 0.3808, 0.2669.

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

16.9847, 0.3808, 0.2669

Protanopia

17.2670, 0.2684, 0.2671

Deuteranopia

17.1812, 0.3112, 0.3062



Tritanopia

16.9902, 0.4208, 0.3186

Trichromacy



Original Color

16.9847, 0.3808, 0.2669

Protanomaly

16.6194, 0.3038, 0.2652

Deuteranomaly

16.7566, 0.3354, 0.2902

Tritanomaly

16.9842, 0.4054, 0.2988

Monochromacy



Original Color

16.9847, 0.3808, 0.2669

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.0069, 0.3361, 0.3021

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9847, 0.3808, 0.2669 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(172, 86, 128)` looks like.

```
.text, #text, p{  
    color:rgb(172, 86, 128)  
}
```

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(172, 86, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 86, 128) }
```

Border

The CSS property to change the border of an element to Yxy 16.9847, 0.3808, 0.2669 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(172, 86, 128) }
```

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

```
.border{ border-color:rgb(172, 86, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 86, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 86, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 86, 128);  
box-shadow:4px 4px 4px 4px rgb(172, 86,  
128) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9847, 0.3808, 0.2669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 86, 128) }
```

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

```
.background{ background-color: rgb(172, 86,  
128) }
```

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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