

Converting Colors

$Y_{xy}(16.4130, 0.2854, 0.2409)$

Have a look what the booklet for
Yxy(16.4130, 0.2854, 0.2409)
contains.

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Color

Yxy(16.3918, 0.2850, 0.2408)

Conversions

Conversions Part 1

Format	Color
Hex	806699
RGB	128, 102, 153
RGB Percent	50%, 40%, 60%
CMY	0.4981, 0.6000, 0.4000
CMYK	0.16, 0.33, 0.00, 0.40
HSL	271°, 20%, 50%
HSV	271°, 33%, 60%
XYZ	19.4006, 16.3918, 32.2799
YIQ	115.5880, -0.8750, 21.3730

Conversions

Conversions Part 2

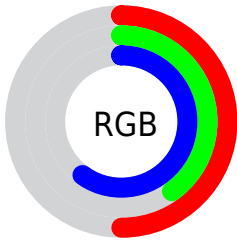
Format	Color
R_{YB}	128, 102, 153
Decimal	8414873
CIE _{Lab}	47.48, 20.75, -23.90
CIE _{LCh}	47, 31.656, 310.967
Yxy	16.3918, 0.2850, 0.2408
Android (android.graphics.Color)	4286604953 (0xFF806699)
YUV	115.5880, 18.4441, 10.8853
Hunter-Lab	40.4868, 14.6823, -18.9308

Details

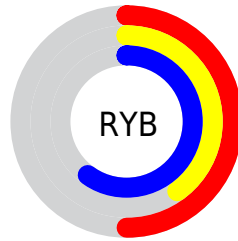
The Yxy color **16.3918, 0.2850, 0.2408** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **28.2584, 0.3333, 0.4177**, and the grayscale version is **17.2753, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1603, 0.2912, 0.2587**, and **5.3114, 0.2714, 0.2087** is the 20% darker color. If you saturate the color by 10%, you get **13.0963, 0.2741, 0.2119**, and if you desaturate by 10%, it is **20.2868, 0.2947, 0.2691**.

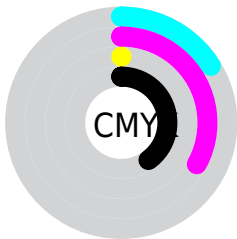
Distribution



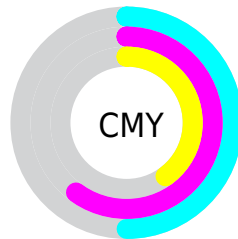
- Red (50%)
- Green (40%)
- Blue (60%)



- Red (50%)
- Yellow (40%)
- Blue (60%)



- Cyan (16%)
- Magenta (33%)
- Yellow (0%)
- Black (40%)





- Cyan (50%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.3918, 0.2850, 0.2408 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 16.3918, 0.2850, 0.2408 by changing the saturation by 10% instead.


 16.3918, 0.2850,
0.2408


 16.3918, 0.2850,
0.2408


231.6427, 0.3019,
0.2895

 9.8018, 0.2795,
0.2270


 37.2771, 0.2920,
0.2597


 5.2678, 0.2713,
0.2083


 52.3411, 0.2944,
0.2664

 2.4052, 0.2586,
0.1818

 70.9987, 0.2963,
0.2720

 0.8286, 0.2362,
0.1418

 93.6342, 0.2978,
0.2766

 0.0000, 0.1450,
0.0000

120.6319, 0.2991,
0.2806

 0.0000, 0.0000,
0.0000

152.3763, 0.3002,

0.2840

189.2517, 0.3011,
0.2869

■ 16.3918, 0.2850,
0.2408

■ 16.3918, 0.2850,
0.2408

■ 13.0963, 0.2741,
0.2119

■ 20.2868, 0.2947,
0.2691

■ 10.3668, 0.2623,
0.1833

■ 24.8085, 0.3032,
0.2960

■ 8.1695, 0.2497,
0.1564


■ 29.9847, 0.3105,
0.3211

■ 6.4660, 0.2370,
0.1325


■ 35.8410, 0.3167,
0.3441

■ 5.2125, 0.2245,
0.1129


■ 42.4015, 0.3220,
0.3650


 4.3569, 0.2128,
0.0984

 49.6892, 0.3264,
0.3839

 3.9158, 0.2055,
0.0906

 57.7260, 0.3300,
0.4008

 66.5330, 0.3330,
0.4159

 76.1302, 0.3355,
0.4294

Harmonies

Analogous

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



16.3918, 0.2349, 0.2315



16.3918, 0.2850, 0.2408



16.3918, 0.3484, 0.2685

Triad

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



16.3918, 0.2850, 0.2408



16.3918, 0.4283, 0.4033



16.3918, 0.2251, 0.3401

Complementary

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



16.3918, 0.2850, 0.2408



28.2584, 0.3333, 0.4177

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.



16.3918, 0.2707, 0.4032



16.3918, 0.2850, 0.2408



16.3918, 0.3884, 0.4369

Square

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



16.3918, 0.2850, 0.2408



16.3918, 0.4362, 0.3570



16.3918, 0.3305, 0.4405



16.3918, 0.2032, 0.2812

Rectangle

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



16.3918, 0.2850, 0.2408



16.3918, 0.3890, 0.2947



16.3918, 0.3305, 0.4405



16.3918, 0.2380, 0.3620

Sweetspot

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



16.3925, 0.2850, 0.2408



47.1995, 0.3056, 0.3041



20.4358, 0.2608, 0.2822



10.1679, 0.3047, 0.3008



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



16.3925, 0.2850, 0.2408



24.8518, 0.2770, 0.2192



18.5778, 0.3165, 0.2487



6.1731, 0.3064, 0.3065



3.2561, 0.2063, 0.0910



0.0703, 0.2536, 0.1171

Inverse Universe

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



17.8111, 0.3508, 0.2876



27.8852, 0.3628, 0.2782



26.5688, 0.3082, 0.4249



6.2707, 0.3211, 0.3181



6.0248, 0.4951, 0.2501



0.0974, 0.4078, 0.2020

Previews

White Background



This preview shows how the Yxy color 16.3918, 0.2850, 0.2408 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 16.3918, 0.2850, 0.2408 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

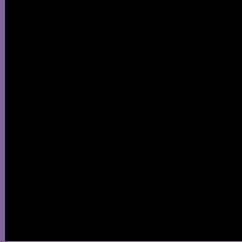
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 16.3918, 0.2850, 0.2408

Background



This preview shows how black text looks on a background with the Yxy color 16.3918, 0.2850, 0.2408.



This preview shows how white text looks on a background with the Yxy color 16.3918, 0.2850, 0.2408.

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

16.3918, 0.2850, 0.2408

Protanopia

16.4483, 0.2460, 0.2386

Deuteranopia

16.4280, 0.2587, 0.2537



Tritanopia

16.3829, 0.3189, 0.3117

Trichromacy



Original Color

16.3918, 0.2850, 0.2408

Protanomaly

16.3476, 0.2589, 0.2400

Deuteranomaly

16.3716, 0.2669, 0.2484

Tritanomaly

16.2318, 0.3056, 0.2824

Monochromacy



Original Color

16.3918, 0.2850, 0.2408

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.9469, 0.3027, 0.2949

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3918, 0.2850, 0.2408 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(128, 102, 153)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 153)  
}
```

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(128, 102, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 153) }
```

Border

The CSS property to change the border of an element to Yxy 16.3918, 0.2850, 0.2408 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(128, 102, 153) }
```

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

```
.border{ border-color:rgb(128, 102, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 153);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3918, 0.2850, 0.2408 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 153) }
```

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

```
.background{ background-color: rgb(128,  
102, 153) }
```

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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