

Converting Colors

$Y_{xy}(13.4556, 0.2852, 0.2398)$

Have a look what the booklet for
Yxy(13.4556, 0.2852, 0.2398)
contains.

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Color

Yxy(13.5041, 0.2851, 0.2409)

Conversions

Conversions Part 1

Format	Color
Hex	755D8C
RGB	117, 93, 140
RGB Percent	46%, 36%, 55%
CMY	0.5412, 0.6353, 0.4510
CMYK	0.16, 0.34, 0.00, 0.45
HSL	271°, 20%, 46%
HSV	271°, 34%, 55%
XYZ	15.9818, 13.5041, 26.5710
YIQ	105.5340, -0.7830, 19.7050

Conversions

Conversions Part 2

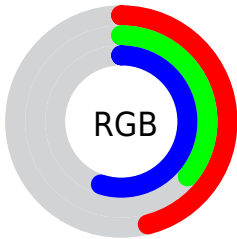
Format	Color
R_{YB}	117, 93, 140
Decimal	7691660
CIE _{Lab}	43.51, 19.45, -22.37
CIE _{LCh}	44, 29.645, 311.003
Yxy	13.5041, 0.2851, 0.2409
Android (android.graphics.Color)	4285881740 (0xFF755D8C)
YUV	105.5340, 16.9917, 10.0557
Hunter-Lab	36.7479, 13.3215, -17.1467

Details

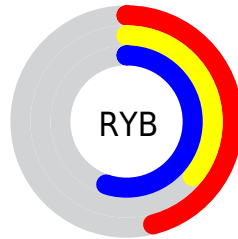
The Yxy color **13.5041, 0.2851, 0.2409** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **23.2578, 0.3333, 0.4177**, and the grayscale version is **14.2322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.3876, 0.2925, 0.2611**, and **4.0002, 0.2702, 0.2060** is the 20% darker color. If you saturate the color by 10%, you get **10.8102, 0.2743, 0.2122**, and if you desaturate by 10%, it is **16.6838, 0.2947, 0.2690**.

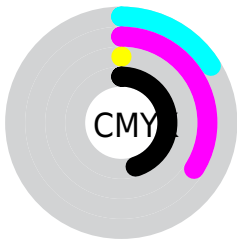
Distribution



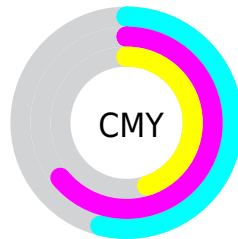
- Red (46%)
- Green (36%)
- Blue (55%)



- Red (46%)
- Yellow (36%)
- Blue (55%)



- Cyan (16%)
- Magenta (34%)
- Yellow (0%)
- Black (45%)



- Cyan (54%)
- Magenta (64%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5041, 0.2851, 0.2409 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 13.5041, 0.2851, 0.2409 by changing the saturation by 10% instead.

■ 13.5041, 0.2851,
0.2409

■ 13.5041, 0.2851,
0.2409

■ 214.1236, 0.3024,
0.2910

■ 7.7766, 0.2791,
0.2261

■ 32.2065, 0.2925,
0.2607

■ 3.9523, 0.2701,
0.2055

■ 45.9502, 0.2949,
0.2677

■ 1.6469, 0.2553,
0.1753

■ 63.1347, 0.2968,
0.2733

■ 0.3889, 0.2329,
0.1073

■ 84.1444, 0.2983,
0.2781

■ 0.0000, 0.0000,
0.0000

■ 109.3638, 0.2996,
0.2820

■ 139.1772, 0.3007,

0.2854

173.9690, 0.3016,
0.2884

■ 13.5041, 0.2851,
0.2409

■ 13.5041, 0.2851,
0.2409

■ 10.8102, 0.2743,
0.2122

■ 16.6838, 0.2947,
0.2690

■ 8.5751, 0.2626,
0.1839

■ 20.3711, 0.3031,
0.2957

■ 6.7716, 0.2502,
0.1571


■ 24.5883, 0.3104,
0.3206

■ 5.3691, 0.2376,
0.1333


■ 29.3561, 0.3166,
0.3435


■ 4.3324, 0.2252,
0.1137

■ 34.6939, 0.3218,
0.3643


 3.6194, 0.2136,
0.0991

 40.6202, 0.3261,
0.3831

 3.2494, 0.2065,
0.0911

 47.1527, 0.3298,
0.4000

 54.3081, 0.3328,
0.4151

 62.1029, 0.3352,
0.4285

Harmonies

Analogous

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



13.5041, 0.2350, 0.2316



13.5041, 0.2851, 0.2409



13.5041, 0.3484, 0.2686

Triad

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



13.5041, 0.2851, 0.2409



13.5041, 0.4282, 0.4032



13.5041, 0.2252, 0.3400

Complementary

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



13.5041, 0.2851, 0.2409



23.2578, 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.



13.5041, 0.2707, 0.4030



13.5041, 0.2851, 0.2409



13.5041, 0.3883, 0.4368

Square

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



13.5041, 0.2851, 0.2409



13.5041, 0.4361, 0.3570



13.5041, 0.3304, 0.4404



13.5041, 0.2033, 0.2812

Rectangle

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



13.5041, 0.2851, 0.2409



13.5041, 0.3890, 0.2948



13.5041, 0.3304, 0.4404



13.5041, 0.2380, 0.3619

Sweetspot

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



13.5047, 0.2851, 0.2409



38.3046, 0.3057, 0.3042



16.8273, 0.2609, 0.2823



8.6198, 0.3048, 0.3011



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



13.5047, 0.2851, 0.2409



20.2699, 0.2774, 0.2200



15.2984, 0.3165, 0.2488



5.0095, 0.3065, 0.3069



2.8994, 0.2070, 0.0914



0.0280, 0.2552, 0.1179

Inverse Universe

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



14.6665, 0.3509, 0.2878



22.7048, 0.3625, 0.2786



21.8714, 0.3082, 0.4248



5.0867, 0.3209, 0.3183



5.3349, 0.4945, 0.2498



0.0384, 0.4060, 0.2010

Previews

White Background



This preview shows how the Yxy color 13.5041, 0.2851, 0.2409 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 13.5041, 0.2851, 0.2409 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 13.5041, 0.2851, 0.2409

Background



This preview shows how black text looks on a background with the Yxy color 13.5041, 0.2851, 0.2409.



This preview shows how white text looks on a background with the Yxy color 13.5041, 0.2851, 0.2409.

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

13.5041, 0.2851, 0.2409

Protanopia

13.5378, 0.2461, 0.2373

Deuteranopia

13.4695, 0.2588, 0.2535



Tritanopia

13.6206, 0.3207, 0.3144

Trichromacy



Original Color

13.5041, 0.2851, 0.2409

Protanomaly

13.4016, 0.2591, 0.2387

Deuteranomaly

13.4242, 0.2677, 0.2478

Tritanomaly

13.4587, 0.3076, 0.2846

Monochromacy



Original Color

13.5041, 0.2851, 0.2409

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

13.9304, 0.3031, 0.2942

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5041, 0.2851, 0.2409 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(117, 93, 140)` looks like.

```
.text, #text, p{  
  color:rgb(117, 93, 140)  
}
```

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(117, 93, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 93, 140) }
```

Border

The CSS property to change the border of an element to Yxy 13.5041, 0.2851, 0.2409 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(117, 93, 140) }
```

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

```
.border{ border-color:rgb(117, 93, 140) }
```

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

Here you see how a box with a 4 pixel rgb(117, 93, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 93, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 93, 140);  
box-shadow:4px 4px 4px 4px rgb(117, 93,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5041, 0.2851, 0.2409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 93, 140) }
```

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

```
.background{ background-color: rgb(117, 93,  
140) }
```

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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