

Converting Colors

$Y_{xy}(19.2577, 0.2743, 0.2336)$

Have a look what the booklet for
Yxy(19.2577, 0.2743, 0.2336)
contains.

Yxy(19.2577, 0.2743, 0.2336)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.2577, 0.2743, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	856FAA
RGB	133, 111, 170
RGB Percent	52%, 44%, 67%
CMY	0.4785, 0.5647, 0.3332
CMYK	0.22, 0.35, 0.00, 0.33
HSL	262°, 26%, 55%
HSV	262°, 35%, 67%
XYZ	22.6130, 19.2577, 40.5681
YIQ	124.3040, -5.8270, 23.0130

Conversions

Conversions Part 2

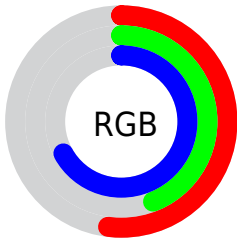
Format	Color
R _Y B	133, 111, 170
Decimal	8744874
CIE Lab	50.99, 21.08, -28.42
CIE LCh	51, 35.385, 306.568
Yxy	19.2577, 0.2743, 0.2336
Android (android.graphics.Color)	4286934954 (0xFF856FAA)
YUV	124.3040, 22.5281, 7.6264
Hunter-Lab	43.8836, 15.1837, -24.0920

Details

The Yxy color **19.2577, 0.2743, 0.2336** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **36.2072, 0.3421, 0.4203**, and the grayscale version is **20.1876, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2502, 0.2830, 0.2527**, and **6.6569, 0.2572, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **15.0696, 0.2601, 0.2027**, and if you desaturate by 10%, it is **24.2418, 0.2872, 0.2635**.

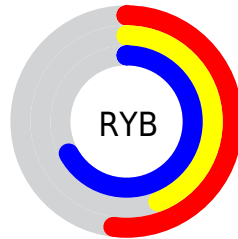
Distribution



Red (52%)

Green (44%)

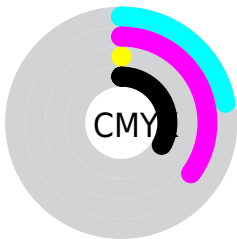
Blue (67%)



Red (52%)

Yellow (44%)

Blue (67%)

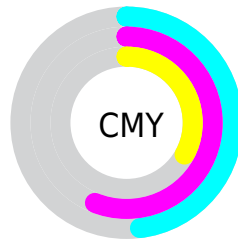


Cyan (22%)

Magenta (35%)

Yellow (0%)

Black (33%)



Cyan (48%)

Magenta (56%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.2577, 0.2743, 0.2336 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 19.2577, 0.2743, 0.2336 by changing the saturation by 10% instead.

■ 19.2577, 0.2743,
0.2336

■ 19.2577, 0.2743,
0.2336

247.8677, 0.2968,
0.2848

■ 11.8566, 0.2674,
0.2198

■ 42.1691, 0.2834,
0.2530

■ 6.6461, 0.2578,
0.2015

■ 58.4482, 0.2865,
0.2601

■ 3.2418, 0.2433,
0.1764

■ 78.4555, 0.2890,
0.2659

■ 1.2592, 0.2201,
0.1405

■ 102.5753, 0.2911,
0.2709

■ 0.1093, 0.1850,
0.0327

131.1920, 0.2929,
0.2751

■ 0.0000, 0.0000,
0.0000

164.6901, 0.2944,

0.2788

203.4538, 0.2957,
0.2820

■ 19.2577, 0.2743,
0.2336

■ 19.2577, 0.2743,
0.2336

■ 15.0696, 0.2601,
0.2027

■ 24.2418, 0.2872,
0.2635

■ 11.6324, 0.2448,
0.1721

■ 30.0591, 0.2986,
0.2917

■ 8.8998, 0.2291,
0.1432


■ 36.7473, 0.3085,
0.3176

■ 6.8195, 0.2136,
0.1178


■ 44.3409, 0.3171,
0.3411


■ 5.3312, 0.1992,
0.0974

■ 52.8726, 0.3243,
0.3622


 4.3622, 0.1867,
0.0830

 62.3734, 0.3304,
0.3810

 3.9706, 0.1807,
0.0769

 72.8731, 0.3356,
0.3977

 84.3998, 0.3399,
0.4125

 91.0846, 0.3455,
0.4177

Harmonies

Analogous

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



19.2577, 0.2249, 0.2269



19.2577, 0.2743, 0.2336



19.2577, 0.3402, 0.2600

Triad

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



19.2577, 0.2743, 0.2336



19.2577, 0.4384, 0.3999



19.2577, 0.2258, 0.3507

Complementary

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



19.2577, 0.2743, 0.2336



36.2072, 0.3421, 0.4203

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.



19.2577, 0.2767, 0.4163



19.2577, 0.2743, 0.2336



19.2577, 0.4000, 0.4391

Square

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



19.2577, 0.2743, 0.2336



19.2577, 0.4413, 0.3503



19.2577, 0.3405, 0.4497



19.2577, 0.1992, 0.2860

Rectangle

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



19.2577, 0.2743, 0.2336



19.2577, 0.3846, 0.2862



19.2577, 0.3405, 0.4497



19.2577, 0.2404, 0.3742

Sweetspot

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



19.2585, 0.2743, 0.2336



59.8188, 0.3033, 0.3037



27.5838, 0.2599, 0.2931



12.9762, 0.3019, 0.3001



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.



19.2585, 0.2743, 0.2336



28.7064, 0.2629, 0.2088



21.9709, 0.3075, 0.2423



7.4315, 0.3042, 0.3061



2.9494, 0.1818, 0.0775



0.1010, 0.2218, 0.0996

Inverse Universe

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



22.0584, 0.3430, 0.2740



34.7147, 0.3526, 0.2612



33.8201, 0.3147, 0.4285



7.6185, 0.3192, 0.3149



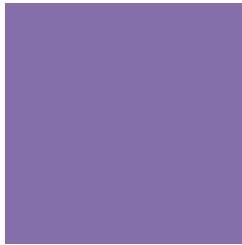
7.0737, 0.4402, 0.2199



0.1815, 0.3918, 0.1932

Previews

White Background



This preview shows how the Yxy color 19.2577, 0.2743, 0.2336 looks on a white 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

Black Background



This preview shows how the Yxy color 19.2577, 0.2743, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

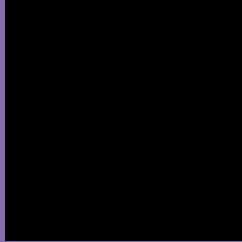
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.2577, 0.2743, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 19.2577, 0.2743, 0.2336.



This preview shows how white text looks on a background with the Yxy color 19.2577, 0.2743, 0.2336.

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

19.2577, 0.2743, 0.2336

Protanopia

19.4908, 0.2409, 0.2320

Deuteranopia

19.3243, 0.2504, 0.2453



Tritanopia

19.2143, 0.3099, 0.3107

Trichromacy



Original Color

19.2577, 0.2743, 0.2336

Protanomaly

19.3560, 0.2524, 0.2333

Deuteranomaly

19.3002, 0.2584, 0.2407

Tritanomaly

19.1715, 0.2967, 0.2798

Monochromacy



Original Color

19.2577, 0.2743, 0.2336

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.6288, 0.2977, 0.2899

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.2577, 0.2743, 0.2336 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(133, 111, 170)` looks like.

```
.text, #text, p{  
    color:rgb(133, 111, 170)  
}
```

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(133, 111, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 111, 170) }
```

Border

The CSS property to change the border of an element to Yxy 19.2577, 0.2743, 0.2336 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(133, 111, 170) }
```

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

```
.border{ border-color:rgb(133, 111, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 111, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 111, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 111, 170);  
box-shadow:4px 4px 4px 4px rgb(133, 111,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 19.2577, 0.2743, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 111, 170) }
```

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

```
.background{ background-color: rgb(133,  
111, 170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor