

Converting Colors

$Y_{xy}(13.7849, 0.2587, 0.1981)$

Have a look what the booklet for
Yxy(13.7849, 0.2587, 0.1981)
contains.

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Color

Yxy(13.8199, 0.2592, 0.1983)

Conversions

Conversions Part 1

Format	Color
Hex	7759A6
RGB	119, 89, 166
RGB Percent	47%, 35%, 65%
CMY	0.5334, 0.6510, 0.3489
CMYK	0.28, 0.46, 0.00, 0.35
HSL	263°, 30%, 50%
HSV	263°, 46%, 65%
XYZ	18.0641, 13.8199, 37.8078
YIQ	106.7480, -6.8370, 30.3070

Conversions

Conversions Part 2

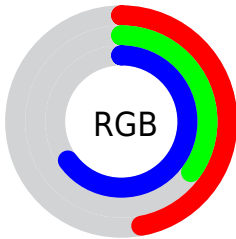
Format	Color
R _Y B	119, 89, 166
Decimal	7821734
CIE Lab	43.97, 28.97, -37.17
CIE LCh	44, 47.124, 307.928
Yxy	13.8199, 0.2592, 0.1983
Android (android.graphics.Color)	4286011814 (0xFF7759A6)
YUV	106.7480, 29.2112, 10.7450
Hunter-Lab	37.1751, 21.6802, -34.2765

Details

The Yxy color **13.8199, 0.2592, 0.1983** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **33.2441, 0.3490, 0.4531**, and the grayscale version is **14.5489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.8609, 0.2732, 0.2263**, and **4.0998, 0.2338, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **10.6823, 0.2442, 0.1681**, and if you desaturate by 10%, it is **17.6583, 0.2732, 0.2290**.

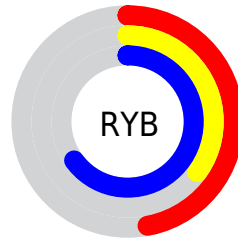
Distribution



Red (47%)

Green (35%)

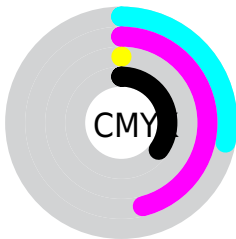
Blue (65%)



Red (47%)

Yellow (35%)

Blue (65%)

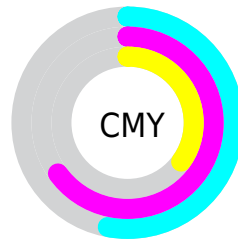


Cyan (28%)

Magenta (46%)

Yellow (0%)

Black (35%)



Cyan (53%)


Magenta (65%)


Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.8199, 0.2592, 0.1983 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 13.8199, 0.2592, 0.1983 by changing the saturation by 10% instead.


 13.8199, 0.2592,
0.1983


 13.8199, 0.2592,
0.1983


216.1075, 0.2919,
0.2693


 7.9955, 0.2487,
0.1792


 32.7691, 0.2728,
0.2253


 4.0921, 0.2336,
0.1542


 46.6628, 0.2773,
0.2351

 1.7252, 0.2107,
0.1208

 64.0149, 0.2810,
0.2432

 0.4399, 0.1756,
0.0667

 85.2100, 0.2840,
0.2501

 0.0000, 0.0323,
0.0000

 110.6324, 0.2865,
0.2560

 0.0000, 0.0000,
0.0000

140.6665, 0.2886,

0.2610

175.6968, 0.2904,
0.2654

■ 13.8199, 0.2592,
0.1983

■ 13.8199, 0.2592,
0.1983

■ 10.6823, 0.2442,
0.1681

■ 17.6583, 0.2732,
0.2290

■ 8.1991, 0.2288,
0.1400

■ 22.2366, 0.2860,
0.2589

■ 6.3206, 0.2138,
0.1155


■ 27.5930, 0.2973,
0.2872

■ 4.9888, 0.1998,
0.0962

■ 33.7624, 0.3071,
0.3135


■ 4.1237, 0.1876,
0.0827

■ 40.7775, 0.3156,
0.3373

 3.8658, 0.1835,
0.0785

 48.6695, 0.3228,
0.3588

 57.4676, 0.3289,
0.3780

 67.1998, 0.3340,
0.3951

 77.8930, 0.3383,
0.4102

Harmonies

Analogous

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



13.8199, 0.1913, 0.1868



13.8199, 0.2592, 0.1983



13.8199, 0.3557, 0.2343

Triad

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



13.8199, 0.2592, 0.1983



13.8199, 0.4894, 0.4221



13.8199, 0.1848, 0.3533

Complementary

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



13.8199, 0.2592, 0.1983



33.2441, 0.3490, 0.4531

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.



13.8199, 0.2520, 0.4618



13.8199, 0.2592, 0.1983



13.8199, 0.4274, 0.4854

Square

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



13.8199, 0.2592, 0.1983



13.8199, 0.5028, 0.3536



13.8199, 0.3410, 0.5124



13.8199, 0.1537, 0.2577

Rectangle

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



13.8199, 0.2592, 0.1983



13.8199, 0.4228, 0.2693



13.8199, 0.3410, 0.5124



13.8199, 0.2034, 0.3913

Sweetspot

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



13.8204, 0.2592, 0.1983



52.3209, 0.2995, 0.2930



22.6291, 0.2427, 0.2762



11.2135, 0.2974, 0.2874



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.8204, 0.2592, 0.1983



19.0539, 0.2432, 0.1662



17.0721, 0.3064, 0.2146



7.4376, 0.3044, 0.3061



3.0218, 0.1844, 0.0790



0.1032, 0.2246, 0.1011

Inverse Universe

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



17.0344, 0.3592, 0.2576



25.8480, 0.3748, 0.2429



30.6020, 0.3134, 0.4682



7.6164, 0.3194, 0.3153



7.0303, 0.4469, 0.2236



0.1806, 0.3956, 0.1953

Previews

White Background



This preview shows how the Yxy color 13.8199, 0.2592, 0.1983 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 13.8199, 0.2592, 0.1983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

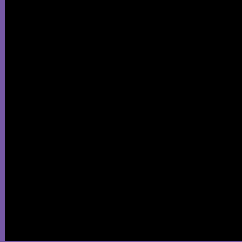
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.8199, 0.2592, 0.1983

Background



This preview shows how black text looks on a background with the Yxy color 13.8199, 0.2592, 0.1983.



This preview shows how white text looks on a background with the Yxy color 13.8199, 0.2592, 0.1983.

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

13.8199, 0.2592, 0.1983

Protanopia

14.0567, 0.2094, 0.1913

Deuteranopia

13.9614, 0.2206, 0.2153



Tritanopia

13.8167, 0.3107, 0.3122

Trichromacy



Original Color

13.8199, 0.2592, 0.1983

Protanomaly

13.6801, 0.2230, 0.1914

Deuteranomaly

13.7777, 0.2326, 0.2083

Tritanomaly

13.6058, 0.2907, 0.2639

Monochromacy



Original Color

13.8199, 0.2592, 0.1983

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.0524, 0.2920, 0.2734

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.8199, 0.2592, 0.1983 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(119, 89, 166)` looks like.

```
.text, #text, p{  
    color:rgb(119, 89, 166)  
}
```

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(119, 89, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 89, 166) }
```

Border

The CSS property to change the border of an element to Yxy 13.8199, 0.2592, 0.1983 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(119, 89, 166) }
```

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

```
.border{ border-color:rgb(119, 89, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 89, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 89, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 89, 166);  
box-shadow:4px 4px 4px 4px rgb(119, 89,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 13.8199, 0.2592, 0.1983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 89, 166) }
```

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

```
.background{ background-color: rgb(119, 89,  
166) }
```

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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