

Converting Colors

$Y_{xy}(27.9986, 0.2479, 0.2367)$

Have a look what the booklet for
Yxy(27.9986, 0.2479, 0.2367)
contains.

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Color

Yxy(27.9986, 0.2479, 0.2367)

Conversions

Conversions Part 1

Format	Color
Hex	808DCC
RGB	128, 141, 204
RGB Percent	50%, 55%, 80%
CMY	0.4980, 0.4470, 0.2001
CMYK	0.37, 0.31, 0.00, 0.20
HSL	230°, 43%, 65%
HSV	230°, 37%, 80%
XYZ	29.3234, 27.9986, 60.9653
YIQ	144.2950, -27.9710, 16.8370

Conversions

Conversions Part 2

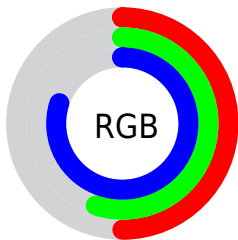
Format	Color
R _Y B	128, 139, 204
Decimal	8424908
CIE Lab	59.89, 10.75, -34.00
CIE LCh	60, 35.662, 287.548
Yxy	27.9986, 0.2479, 0.2367
Android (android.graphics.Color)	4286614988 (0xFF808DCC)
YUV	144.2950, 29.4346, -14.2907
Hunter-Lab	52.9137, 6.3211, -31.2722

Details

The Yxy color $27.9986, 0.2479, 0.2367$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $51.6398, 0.3735, 0.4068$, and the grayscale version is $27.9033, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.8709, 0.2643, 0.2597$, and $11.1800, 0.2262, 0.2082$ is the 20% darker color. If you saturate the color by 10%, you get $21.9624, 0.2282, 0.2066$, and if you desaturate by 10%, it is $35.1159, 0.2671, 0.2650$.

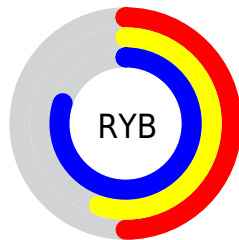
Distribution



Red (50%)

Green (55%)

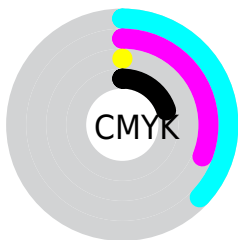
Blue (80%)



Red (50%)

Yellow (55%)

Blue (80%)

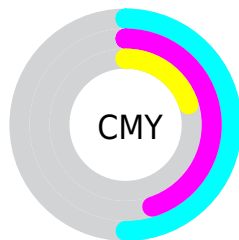


Cyan (37%)

Magenta (31%)

Yellow (0%)

Black (20%)



Cyan (50%)

Magenta (45%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9986, 0.2479, 0.2367 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 27.9986, 0.2479, 0.2367 by changing the saturation by 10% instead.

■ 27.9986, 0.2479,
0.2367

■ 27.9986, 0.2479,
0.2367

■ 292.4602, 0.2825,
0.2842

■ 18.3246, 0.2387,
0.2247

■ 56.4822, 0.2609,
0.2541

■ 11.1833, 0.2267,
0.2092

■ 76.0606, 0.2656,
0.2606

■ 6.1903, 0.2103,
0.1888

■ 99.7093, 0.2696,
0.2661

■ 2.9611, 0.1871,
0.1609

■ 127.8126, 0.2730,
0.2708

■ 1.1115, 0.1526,
0.1218

■ 160.7549, 0.2759,
0.2748

■ 0.0000, 0.0737,
0.0000

■ 198.9207, 0.2783,

■ 0.0000, 0.0000,

0.2783

0.0000

242.6944, 0.2805,
0.2814

■ 27.9986, 0.2479,
0.2367

■ 27.9986, 0.2479,
0.2367

■ 21.9624, 0.2282,
0.2066

■ 35.1159, 0.2671,
0.2650

■ 16.9506, 0.2088,
0.1758

■ 43.3609, 0.2851,
0.2908

■ 12.9060, 0.1907,
0.1458

■ 52.7812, 0.3017,
0.3139

■ 9.7642, 0.1753,
0.1184

■ 63.4209, 0.3167,
0.3344

■ 7.4527, 0.1634,
0.0954

■ 75.3217, 0.3301,
0.3522

■ 5.8831, 0.1557,
0.0782

■ 88.5232, 0.3421,
0.3677

■ 5.5546, 0.1540,
0.0744

■ 97.1381, 0.3430,
0.3791

Harmonies

Analogous

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



27.9986, 0.2161, 0.2442



27.9986, 0.2479, 0.2367



27.9986, 0.2993, 0.2496

Triad

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



27.9986, 0.2479, 0.2367



27.9986, 0.4306, 0.3661



27.9986, 0.2622, 0.3867

Complementary

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



27.9986, 0.2479, 0.2367



51.6398, 0.3735, 0.4068

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.



27.9986, 0.3171, 0.4291



27.9986, 0.2479, 0.2367



27.9986, 0.4161, 0.4083

Square

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



27.9986, 0.2479, 0.2367



27.9986, 0.4098, 0.3205



27.9986, 0.3736, 0.4346



27.9986, 0.2232, 0.3264

Rectangle

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



27.9986, 0.2479, 0.2367



27.9986, 0.3396, 0.2679



27.9986, 0.3736, 0.4346



27.9986, 0.2793, 0.4042

Sweetspot

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



27.9997, 0.2479, 0.2367



81.1155, 0.2954, 0.3052



51.4801, 0.2691, 0.3482



16.9009, 0.2931, 0.3021



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



27.9997, 0.2479, 0.2367



37.9198, 0.2315, 0.2117



26.4798, 0.2662, 0.2233



11.1492, 0.2982, 0.3092



3.5919, 0.1545, 0.0762



0.2837, 0.1637, 0.1093

Inverse Universe

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



30.1965, 0.3871, 0.3123



42.6234, 0.4128, 0.3088



54.4225, 0.3479, 0.4275



11.2445, 0.3264, 0.3251



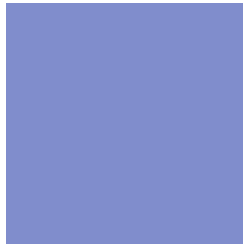
8.1656, 0.6131, 0.3151



0.4312, 0.5621, 0.2870

Previews

White Background



This preview shows how the Yxy color 27.9986, 0.2479, 0.2367 looks on a white background.

Color Contrast Check

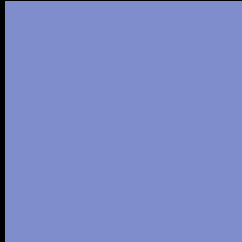
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9986, 0.2479, 0.2367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

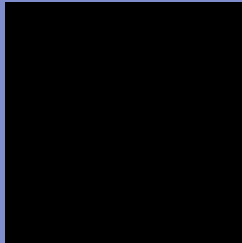
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9986, 0.2479, 0.2367

Background



This preview shows how black text looks on a background with the Yxy color 27.9986, 0.2479, 0.2367.



This preview shows how white text looks on a background with the Yxy color 27.9986, 0.2479, 0.2367.

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

27.9986, 0.2479, 0.2367

Protanopia

28.0389, 0.2444, 0.2362

Deuteranopia

28.1421, 0.2438, 0.2386



Tritanopia

27.9197, 0.2728, 0.3089

Trichromacy



Original Color

27.9986, 0.2479, 0.2367

Protanomaly

28.1138, 0.2451, 0.2364

Deuteranomaly

27.9907, 0.2450, 0.2374

Tritanomaly

27.8697, 0.2632, 0.2795

Monochromacy



Original Color

27.9986, 0.2479, 0.2367

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

27.8014, 0.2862, 0.2927

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9986, 0.2479, 0.2367 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, 141, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 141, 204)  
}
```

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, 141, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 141, 204) }
```

Border

The CSS property to change the border of an element to Yxy 27.9986, 0.2479, 0.2367 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, 141, 204) }
```

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

```
.border{ border-color:rgb(128, 141, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 141, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 141, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 141, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 141,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9986, 0.2479, 0.2367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 141, 204) }
```

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

```
.background{ background-color: rgb(128,  
141, 204) }
```

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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