

Converting Colors

$Y_{xy}(33.4179, 0.2649, 0.2419)$

Have a look what the booklet for
Yxy(33.4179, 0.2649, 0.2419)
contains.

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Color

Yxy(33.4179, 0.2649, 0.2419)

Conversions

Conversions Part 1

Format	Color
Hex	9C95D6
RGB	156, 149, 214
RGB Percent	61%, 58%, 84%
CMY	0.3882, 0.4157, 0.1608
CMYK	0.27, 0.30, 0.00, 0.16
HSL	246°, 44%, 71%
HSV	246°, 30%, 84%
XYZ	36.5953, 33.4179, 68.1344
YIQ	158.5030, -16.6930, 21.6990

Conversions

Conversions Part 2

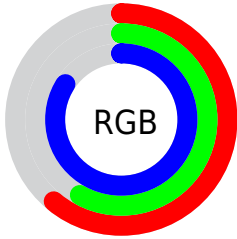
Format	Color
R _Y B	156, 149, 214
Decimal	10261974
CIE Lab	64.50, 16.77, -32.28
CIE LCh	64, 36.375, 297.459
Yxy	33.4179, 0.2649, 0.2419
Android (android.graphics.Color)	4288452054 (0xFF9C95D6)
YUV	158.5030, 27.3600, -2.1951
Hunter-Lab	57.8082, 11.8344, -29.4151

Details

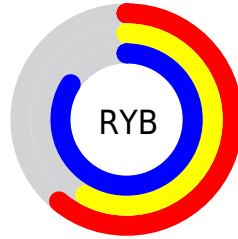
The Yxy color **33.4179, 0.2649, 0.2419** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **63.5231, 0.3527, 0.4059**, and the grayscale version is **34.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9289, 0.2845, 0.2733**, and **14.1221, 0.2495, 0.2172** is the 20% darker color. If you saturate the color by 10%, you get **25.5010, 0.2457, 0.2081**, and if you desaturate by 10%, it is **42.8808, 0.2826, 0.2736**.

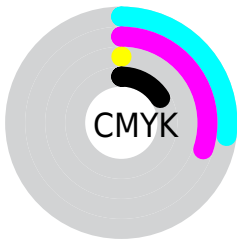
Distribution



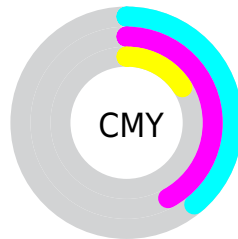
- Red (61%)
- Green (58%)
- Blue (84%)



- Red (61%)
- Yellow (58%)
- Blue (84%)



- Cyan (27%)
- Magenta (30%)
- Yellow (0%)
- Black (16%)



- Cyan (39%)
- Magenta (42%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4179, 0.2649, 0.2419 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 33.4179, 0.2649, 0.2419 by changing the saturation by 10% instead.

■ 33.4179, 0.2649,
0.2419

■ 33.4179, 0.2649,
0.2419

■ 317.5286, 0.2901,
0.2853

■ 22.4468, 0.2583,
0.2313

■ 65.0274, 0.2743,
0.2575

■ 14.1856, 0.2496,
0.2178

■ 86.4346, 0.2778,
0.2635

■ 8.2498, 0.2379,
0.2003

■ 112.0893, 0.2807,
0.2685

■ 4.2552, 0.2213,
0.1768

■ 142.3758, 0.2832,
0.2728

■ 1.8173, 0.1964,
0.1441

■ 177.6786, 0.2853,
0.2765

■ 0.4979, 0.1581,
0.0891

■ 218.3821, 0.2871,

■ 0.0000, 0.0000,

0.2798

0.0000

264.8706, 0.2887,
0.2827

■ 33.4179, 0.2649,
0.2419

■ 33.4179, 0.2649,
0.2419

■ 25.5010, 0.2457,
0.2081

■ 42.8808, 0.2826,
0.2736

■ 19.0441, 0.2255,
0.1735

■ 53.9618, 0.2984,
0.3024

■ 13.9585, 0.2055,
0.1400

■ 66.7332, 0.3122,
0.3281

■ 10.1445, 0.1871,
0.1102

■ 81.2618, 0.3242,
0.3507

■ 7.4888, 0.1716,
0.0864

■ 96.9716, 0.3346,
0.3694

■ 5.8574, 0.1602,
0.0704

■ 97.6347, 0.3370,
0.3691

■ 5.0376, 0.1534,
0.0618

Harmonies

Analogous

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



33.4179, 0.2272, 0.2424



33.4179, 0.2649, 0.2419



33.4179, 0.3189, 0.2602

Triad

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



33.4179, 0.2649, 0.2419



33.4179, 0.4252, 0.3795



33.4179, 0.2495, 0.3659

Complementary

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



33.4179, 0.2649, 0.2419



63.5231, 0.3527, 0.4059

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.



33.4179, 0.2988, 0.4149



33.4179, 0.2649, 0.2419



33.4179, 0.4013, 0.4164

Square

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



33.4179, 0.2649, 0.2419



33.4179, 0.4164, 0.3355



33.4179, 0.3544, 0.4327



33.4179, 0.2187, 0.3084

Rectangle

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



33.4179, 0.2649, 0.2419



33.4179, 0.3578, 0.2810



33.4179, 0.3544, 0.4327



33.4179, 0.2643, 0.3845

Sweetspot

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



33.4192, 0.2649, 0.2419



82.5426, 0.3003, 0.3059



56.1098, 0.2683, 0.3205



17.1058, 0.2981, 0.3019



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.



33.4192, 0.2649, 0.2419



42.3805, 0.2535, 0.2218



37.0415, 0.2925, 0.2484



12.0721, 0.2998, 0.3050



3.0672, 0.1540, 0.0622



0.2072, 0.1647, 0.0681

Inverse Universe

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



40.2953, 0.3225, 0.2613



54.1245, 0.3248, 0.2481



59.3733, 0.3276, 0.4125



12.6086, 0.3154, 0.3085



10.9224, 0.3499, 0.1701



0.6655, 0.3443, 0.1670

Previews

White Background



This preview shows how the Yxy color 33.4179, 0.2649, 0.2419 looks on a white background.

Color Contrast Check

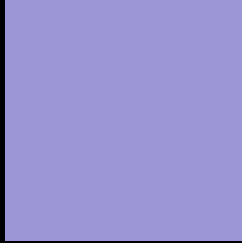
Large Text (above 18pt) WCAG AA × Fail

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 33.4179, 0.2649, 0.2419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

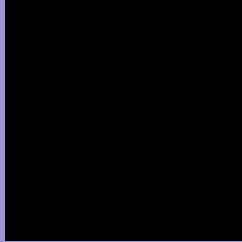
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4179, 0.2649, 0.2419

Background



This preview shows how black text looks on a background with the Yxy color 33.4179, 0.2649, 0.2419.



This preview shows how white text looks on a background with the Yxy color 33.4179, 0.2649, 0.2419.

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

33.4179, 0.2649, 0.2419

Protanopia

33.4915, 0.2484, 0.2410

Deuteranopia

33.4043, 0.2530, 0.2470



Tritanopia

33.5590, 0.2920, 0.3110

Trichromacy



Original Color

33.4179, 0.2649, 0.2419

Protanomaly

33.3955, 0.2538, 0.2405

Deuteranomaly

33.2803, 0.2572, 0.2452

Tritanomaly

33.4719, 0.2815, 0.2841

Monochromacy



Original Color

33.4179, 0.2649, 0.2419

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

33.9665, 0.2944, 0.2945

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4179, 0.2649, 0.2419 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(156, 149, 214)` looks like.

```
.text, #text, p{  
    color:rgb(156, 149, 214)  
}
```

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(156, 149, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 149, 214) }
```

Border

The CSS property to change the border of an element to Yxy 33.4179, 0.2649, 0.2419 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(156, 149, 214) }
```

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

```
.border{ border-color:rgb(156, 149, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 149, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 149, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 149, 214);  
box-shadow:4px 4px 4px 4px rgb(156, 149,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4179, 0.2649, 0.2419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 149, 214) }
```

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

```
.background{ background-color: rgb(156,  
149, 214) }
```

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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