

Converting Colors

$Y_{xy}(33.4204, 0.2812, 0.2809)$

Have a look what the booklet for
Yxy(33.4204, 0.2812, 0.2809)
contains.

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Color

Yxy(33.3214, 0.2807, 0.2801)

Conversions

Conversions Part 1

Format	Color
Hex	979ABC
RGB	151, 154, 188
RGB Percent	59%, 60%, 74%
CMY	0.4079, 0.3960, 0.2627
CMYK	0.20, 0.18, 0.00, 0.26
HSL	235°, 22%, 66%
HSV	235°, 20%, 74%
XYZ	33.3928, 33.3214, 52.2483
YIQ	156.9790, -12.7020, 9.9380

Conversions

Conversions Part 2

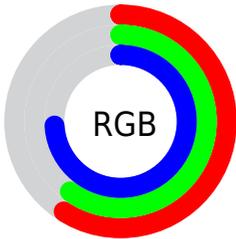
Format	Color
R _Y B	151, 154, 188
Decimal	9935548
CIE Lab	64.42, 6.17, -17.92
CIE LCh	64, 18.956, 288.999
Yxy	33.3214, 0.2807, 0.2801
Android (android.graphics.Color)	4288125628 (0xFF979ABC)
YUV	156.9790, 15.2934, -5.2436
Hunter-Lab	57.7247, 2.2411, -13.2579

Details

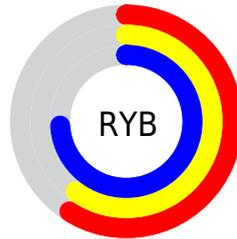
The Yxy color **33.3214, 0.2807, 0.2801** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.6133, 0.3426, 0.3736**, and the grayscale version is **33.6410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7652, 0.2875, 0.2894**, and **14.1591, 0.2705, 0.2645** is the 20% darker color. If you saturate the color by 10%, you get **26.3701, 0.2619, 0.2509**, and if you desaturate by 10%, it is **41.3819, 0.2978, 0.3064**.

Distribution



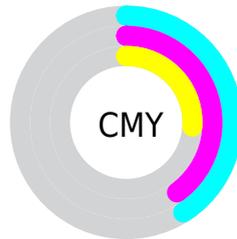
- Red (59%)
- Green (60%)
- Blue (74%)



- Red (59%)
- Yellow (60%)
- Blue (74%)



- Cyan (20%)
- Magenta (18%)
- Yellow (0%)
- Black (26%)



- Cyan (41%)
- Magenta (40%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3214, 0.2807, 0.2801 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 33.3214, 0.2807, 0.2801 by changing the saturation by 10% instead.

■ 33.3214, 0.2807,
0.2801

■ 33.3214, 0.2807,
0.2801

■ 317.0955, 0.2976,
0.3053

■ 22.3728, 0.2762,
0.2736

■ 64.8770, 0.2870,
0.2894

■ 14.1311, 0.2703,
0.2651

■ 86.2527, 0.2894,
0.2929

■ 8.2119, 0.2621,
0.2535

■ 111.8730, 0.2913,
0.2958

■ 4.2308, 0.2501,
0.2370

■ 142.1221, 0.2929,
0.2983

■ 1.8035, 0.2311,
0.2118

■ 177.3846, 0.2943,
0.3004

■ 0.4894, 0.1957,
0.1555

■ 218.0447, 0.2956,

■ 0.0000, 0.0000,

0.3023

0.0000

264.4868, 0.2966,
0.3039

■ 33.3214, 0.2807,
0.2801

■ 33.3214, 0.2807,
0.2801

■ 26.3701, 0.2619,
0.2509

■ 41.3819, 0.2978,
0.3064

■ 20.4754, 0.2419,
0.2192

■ 50.5929, 0.3132,
0.3297

■ 15.5869, 0.2213,
0.1862

■ 60.9986, 0.3267,
0.3500

■ 11.6480, 0.2012,
0.1534

■ 72.6397, 0.3386,
0.3676

■ 8.5969, 0.1831,
0.1229

■ 85.5549, 0.3489,
0.3828

■ 6.3641, 0.1682,
0.0970

■ 96.4109, 0.3526,
0.3949

■ 4.8698, 0.1578,
0.0776

■ 4.0021, 0.1516,
0.0655

■ 3.9827, 0.1515,
0.0652

Harmonies

Analogous

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



33.3214, 0.2624, 0.2849



33.3214, 0.2807, 0.2801



33.3214, 0.3082, 0.2872

Triad

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



33.3214, 0.2807, 0.2801



33.3214, 0.3718, 0.3519



33.3214, 0.2865, 0.3557

Complementary

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



33.3214, 0.2807, 0.2801



47.6133, 0.3426, 0.3736

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.



33.3214, 0.3150, 0.3761



33.3214, 0.2807, 0.2801



33.3214, 0.3649, 0.3721

Square

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



33.3214, 0.2807, 0.2801



33.3214, 0.3619, 0.3273



33.3214, 0.3438, 0.3818



33.3214, 0.2656, 0.3277

Rectangle

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



33.3214, 0.2807, 0.2801



33.3214, 0.3284, 0.2976



33.3214, 0.3438, 0.3818



33.3214, 0.2955, 0.3638

Sweetspot

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



33.3228, 0.2807, 0.2801



80.7485, 0.3036, 0.3151



46.0437, 0.2858, 0.3332



17.1362, 0.3025, 0.3136



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



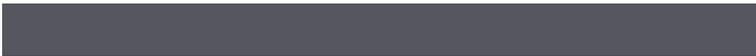
33.3228, 0.2807, 0.2801



54.2208, 0.2721, 0.2667



33.9103, 0.2945, 0.2777



9.3473, 0.2984, 0.3072



2.7578, 0.1517, 0.0662



0.1511, 0.1580, 0.0887

Inverse Universe

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



35.1531, 0.3480, 0.3250



58.2695, 0.3588, 0.3240



47.0366, 0.3284, 0.3795



9.5487, 0.3276, 0.3272



7.3081, 0.6296, 0.3242



0.2906, 0.5932, 0.3042

Previews

White Background



This preview shows how the Yxy color 33.3214, 0.2807, 0.2801 looks on a white background.

Color Contrast Check

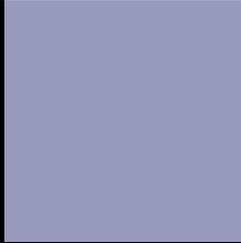
Large Text (above 18pt) WCAG AA × Fail

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 33.3214, 0.2807, 0.2801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

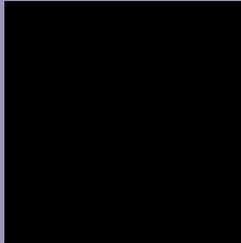
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

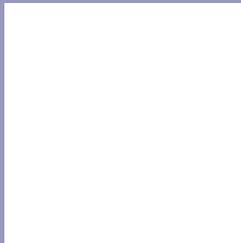
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.3214, 0.2807, 0.2801

Background



This preview shows how black text looks on a background with the Yxy color 33.3214, 0.2807, 0.2801.



This preview shows how white text looks on a background with the Yxy color 33.3214, 0.2807, 0.2801.

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

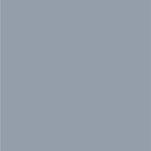
33.3214, 0.2807, 0.2801

Protanopia

33.4631, 0.2791, 0.2813

Deuteranopia

33.3819, 0.2842, 0.2791



Tritanopia

33.3121, 0.2929, 0.3095

Trichromacy



Original Color

33.3214, 0.2807, 0.2801

Protanomaly

33.5576, 0.2799, 0.2815

Deuteranomaly

33.2833, 0.2833, 0.2790

Tritanomaly

33.3408, 0.2879, 0.2980

Monochromacy



Original Color

33.3214, 0.2807, 0.2801

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.5726, 0.3011, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3214, 0.2807, 0.2801 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(151, 154, 188)` looks like.

```
.text, #text, p{  
    color:rgb(151, 154, 188)  
}
```

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(151, 154, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 154, 188) }
```

Border

The CSS property to change the border of an element to Yxy 33.3214, 0.2807, 0.2801 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(151, 154, 188) }
```

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

```
.border{ border-color:rgb(151, 154, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 154, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 154, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 154, 188);  
box-shadow:4px 4px 4px 4px rgb(151, 154,  
188) }
```

Background

The CSS property to change the background color of an element to Yxy 33.3214, 0.2807, 0.2801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 154, 188) }
```

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

```
.background{ background-color: rgb(151,  
154, 188) }
```

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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