

Converting Colors

$Y_{xy}(33.4198, 0.2820, 0.2625)$

Have a look what the booklet for
Yxy(33.4198, 0.2820, 0.2625)
contains.

Yxy(33.5713, 0.2822, 0.2631)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5713, 0.2822, 0.2631)

Conversions

Conversions Part 1

Format	Color
Hex	A296C6
RGB	162, 150, 198
RGB Percent	64%, 59%, 78%
CMY	0.3645, 0.4118, 0.2235
CMYK	0.18, 0.24, 0.00, 0.22
HSL	255°, 30%, 68%
HSV	255°, 24%, 78%
XYZ	36.0084, 33.5713, 58.0193
YIQ	159.0600, -8.2560, 17.4720

Conversions

Conversions Part 2

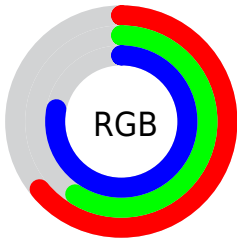
Format	Color
R_{YB}	162, 150, 198
Decimal	10655430
CIE _{Lab}	64.62, 14.29, -23.14
CIE _{LCh}	65, 27.198, 301.691
Yxy	33.5713, 0.2822, 0.2631
Android (android.graphics.Color)	4288845510 (0xFFA296C6)
YUV	159.0600, 19.1974, 2.5784
Hunter-Lab	57.9407, 9.5361, -18.8118

Details

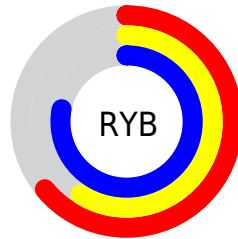
The Yxy color **33.5713, 0.2822, 0.2631** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.0321, 0.3387, 0.3910**, and the grayscale version is **34.6167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1574, 0.2880, 0.2749**, and **14.2523, 0.2724, 0.2437** is the 20% darker color. If you saturate the color by 10%, you get **26.3157, 0.2667, 0.2318**, and if you desaturate by 10%, it is **42.0807, 0.2960, 0.2922**.

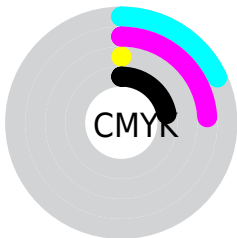
Distribution



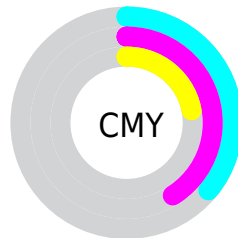
- Red (64%)
- Green (59%)
- Blue (78%)



- Red (64%)
- Yellow (59%)
- Blue (78%)



- Cyan (18%)
- Magenta (24%)
- Yellow (0%)
- Black (22%)



- Cyan (36%)
- Magenta (41%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5713, 0.2822, 0.2631 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 33.5713, 0.2822, 0.2631 by changing the saturation by 10% instead.

■ 33.5713, 0.2822,
0.2631

■ 33.5713, 0.2822,
0.2631

■ 318.2162, 0.2985,
0.2964

■ 22.5645, 0.2778,
0.2547

■ 65.2664, 0.2884,
0.2753

■ 14.2722, 0.2720,
0.2440

■ 86.7235, 0.2906,
0.2798

■ 8.3103, 0.2640,
0.2296

■ 112.4328, 0.2925,
0.2837

■ 4.2941, 0.2523,
0.2098

■ 142.7787, 0.2940,
0.2870

■ 1.8394, 0.2338,
0.1807

■ 178.1456, 0.2954,
0.2898

■ 0.5116, 0.2037,
0.1248

■ 218.9179, 0.2966,

■ 0.0000, 0.0000,

0.2923

0.0000

265.4800, 0.2976,
0.2945

■ 33.5713, 0.2822,
0.2631

■ 33.5713, 0.2822,
0.2631

■ 26.3157, 0.2667,
0.2318

■ 42.0807, 0.2960,
0.2922

■ 20.2496, 0.2498,
0.1992

■ 51.8956, 0.3081,
0.3186

■ 15.3096, 0.2319,
0.1666

■ 63.0699, 0.3185,
0.3422

■ 11.4242, 0.2140,
0.1358

■ 75.6531, 0.3274,
0.3632

■ 8.5137, 0.1969,
0.1089

■ 89.6924, 0.3350,
0.3816

■ 6.4866, 0.1819,
0.0878

■ 96.1114, 0.3439,
0.3855

■ 5.2330, 0.1698,
0.0736

■ 96.8581, 0.3466,
0.3850

■ 4.7494, 0.1643,
0.0679

Harmonies

Analogous

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



33.5713, 0.2507, 0.2619



33.5713, 0.2822, 0.2631



33.5713, 0.3241, 0.2792

Triad

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



33.5713, 0.2822, 0.2631



33.5713, 0.3960, 0.3734



33.5713, 0.2610, 0.3506

Complementary

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



33.5713, 0.2822, 0.2631



53.0321, 0.3387, 0.3910

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.



33.5713, 0.2973, 0.3876



33.5713, 0.2822, 0.2631



33.5713, 0.3760, 0.3983

Square

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



33.5713, 0.2822, 0.2631



33.5713, 0.3923, 0.3402



33.5713, 0.3395, 0.4051



33.5713, 0.2391, 0.3093

Rectangle

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



33.5713, 0.2822, 0.2631



33.5713, 0.3525, 0.2965



33.5713, 0.3395, 0.4051



33.5713, 0.2718, 0.3643

Sweetspot

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



33.5727, 0.2822, 0.2631



86.6876, 0.3048, 0.3114



45.6832, 0.2760, 0.3126



18.3212, 0.3041, 0.3098



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.



33.5727, 0.2822, 0.2631



52.5155, 0.2744, 0.2471



36.3266, 0.3042, 0.2672



10.4140, 0.3021, 0.3054



3.1227, 0.1654, 0.0685



0.1834, 0.1879, 0.0809

Inverse Universe

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



37.3598, 0.3267, 0.2835



60.4091, 0.3304, 0.2735



50.2793, 0.3190, 0.3950



10.7693, 0.3175, 0.3119



9.2181, 0.3959, 0.1954



0.4476, 0.3770, 0.1851

Previews

White Background



This preview shows how the Yxy color 33.5713, 0.2822, 0.2631 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 33.5713, 0.2822, 0.2631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

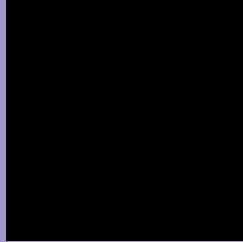
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5713, 0.2822, 0.2631

Background



This preview shows how black text looks on a background with the Yxy color 33.5713, 0.2822, 0.2631.



This preview shows how white text looks on a background with the Yxy color 33.5713, 0.2822, 0.2631.

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

33.5713, 0.2822, 0.2631

Protanopia

33.7267, 0.2653, 0.2627

Deuteranopia

33.7217, 0.2738, 0.2684



Tritanopia

33.7722, 0.3030, 0.3114

Trichromacy



Original Color

33.5713, 0.2822, 0.2631

Protanomaly

33.5788, 0.2707, 0.2620

Deuteranomaly

33.7822, 0.2771, 0.2675

Tritanomaly

33.7368, 0.2953, 0.2931

Monochromacy



Original Color

33.5713, 0.2822, 0.2631

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.2676, 0.3014, 0.3044

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5713, 0.2822, 0.2631 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(162, 150, 198)` looks like.

```
.text, #text, p{  
    color:rgb(162, 150, 198)  
}
```

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(162, 150, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 150, 198) }
```

Border

The CSS property to change the border of an element to Yxy 33.5713, 0.2822, 0.2631 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(162, 150, 198) }
```

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

```
.border{ border-color:rgb(162, 150, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 150, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 150, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 150, 198);  
box-shadow:4px 4px 4px 4px rgb(162, 150,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5713, 0.2822, 0.2631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 150, 198) }
```

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

```
.background{ background-color: rgb(162,  
150, 198) }
```

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