

Converting Colors

$Y_{xy}(31.6846, 0.2596, 0.2619)$

Have a look what the booklet for
Yxy(31.6846, 0.2596, 0.2619)
contains.

Yxy(31.6846, 0.2596, 0.2619)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.6846, 0.2596, 0.2619)

Conversions

Conversions Part 1

Format	Color
Hex	8798C6
RGB	135, 152, 198
RGB Percent	53%, 60%, 78%
CMY	0.4708, 0.4039, 0.2235
CMYK	0.32, 0.23, 0.00, 0.22
HSL	224°, 36%, 65%
HSV	224°, 32%, 78%
XYZ	31.4063, 31.6846, 57.8888
YIQ	152.1610, -24.8980, 10.7020

Conversions

Conversions Part 2

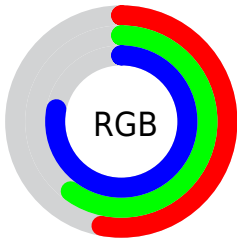
Format	Color
R_{YB}	135, 148, 198
Decimal	8886470
CIE _{Lab}	63.08, 4.80, -25.68
CIE _{LCh}	63, 26.121, 280.596
Yxy	31.6846, 0.2596, 0.2619
Android (android.graphics.Color)	4287076550 (0xFF8798C6)
YUV	152.1610, 22.5986, -15.0502
Hunter-Lab	56.2891, 1.0877, -21.5727

Details

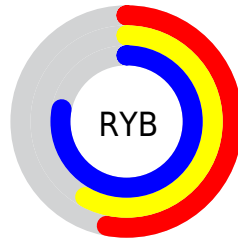
The Yxy color **31.6846, 0.2596, 0.2619** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.7742, 0.3664, 0.3880**, and the grayscale version is **31.3780, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3098, 0.2702, 0.2744**, and **13.1600, 0.2426, 0.2408** is the 20% darker color. If you saturate the color by 10%, you get **25.7880, 0.2411, 0.2363**, and if you desaturate by 10%, it is **38.4597, 0.2775, 0.2855**.

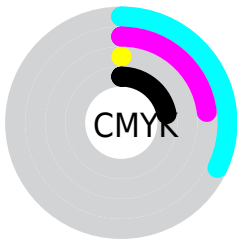
Distribution



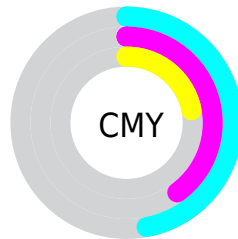
- Red (53%)
- Green (60%)
- Blue (78%)



- Red (53%)
- Yellow (58%)
- Blue (78%)



- Cyan (32%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (47%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.6846, 0.2596, 0.2619 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 31.6846, 0.2596, 0.2619 by changing the saturation by 10% instead.

■ 31.6846, 0.2596,
0.2619

■ 31.6846, 0.2596,
0.2619

309.6800, 0.2875,
0.2966

■ 21.1207, 0.2523,
0.2530

■ 62.3163, 0.2700,
0.2747

■ 13.2123, 0.2427,
0.2414

■ 83.1529, 0.2738,
0.2795

■ 7.5749, 0.2296,
0.2259

■ 108.1826, 0.2770,
0.2835

■ 3.8241, 0.2110,
0.2040

137.7896, 0.2798,
0.2869

■ 1.5757, 0.1826,
0.1716

172.3585, 0.2821,
0.2898

■ 0.3411, 0.1255,
0.0970

212.2736, 0.2841,

■ 0.0000, 0.0000,

0.2923

0.0000

257.9193, 0.2859,
0.2946

■ 31.6846, 0.2596,
0.2619

■ 31.6846, 0.2596,
0.2619

■ 25.7880, 0.2411,
0.2363

■ 38.4597, 0.2775,
0.2855

■ 20.7289, 0.2226,
0.2093

■ 46.1447, 0.2943,
0.3068

■ 16.4683, 0.2049,
0.1816

■ 54.7738, 0.3100,
0.3257

■ 12.9622, 0.1888,
0.1545

■ 64.3784, 0.3243,
0.3425

■ 10.1623, 0.1752,
0.1293

■ 74.9883, 0.3373,
0.3571

■ 8.0131, 0.1650,
0.1073

■ 86.6322, 0.3490,
0.3699

■ 6.6794, 0.1590,
0.0924

■ 95.6482, 0.3470,
0.3833

■ 96.8574, 0.3466,
0.3850

Harmonies

Analogous

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



31.6846, 0.2396, 0.2723



31.6846, 0.2596, 0.2619



31.6846, 0.2944, 0.2676

Triad

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



31.6846, 0.2596, 0.2619



31.6846, 0.3943, 0.3501



31.6846, 0.2861, 0.3770

Complementary

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



31.6846, 0.2596, 0.2619



46.7742, 0.3664, 0.3880

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.



31.6846, 0.3268, 0.4009



31.6846, 0.2596, 0.2619



31.6846, 0.3906, 0.3811

Square

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



31.6846, 0.2596, 0.2619



31.6846, 0.3740, 0.3165



31.6846, 0.3653, 0.4011



31.6846, 0.2539, 0.3379

Rectangle

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



31.6846, 0.2596, 0.2619



31.6846, 0.3223, 0.2794



31.6846, 0.3653, 0.4011



31.6846, 0.2992, 0.3873

Sweetspot

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



31.6858, 0.2596, 0.2619



84.1841, 0.2971, 0.3102



48.8375, 0.2786, 0.3541



17.5731, 0.2948, 0.3073



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.



31.6858, 0.2596, 0.2619



48.9194, 0.2472, 0.2449



27.7426, 0.2686, 0.2390



10.7470, 0.2983, 0.3117



4.4667, 0.1596, 0.0946



0.3354, 0.1715, 0.1373

Inverse Universe

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



31.5864, 0.3651, 0.3066



49.2226, 0.3811, 0.3017



52.3706, 0.3485, 0.4109



10.6833, 0.3248, 0.3228



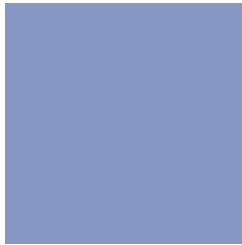
7.9909, 0.5841, 0.2991



0.3909, 0.5227, 0.2653

Previews

White Background



This preview shows how the Yxy color 31.6846, 0.2596, 0.2619 looks on a white background.

Color Contrast Check

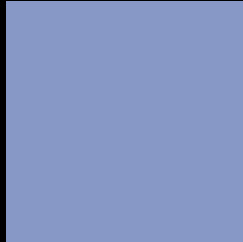
Large Text (above 18pt) WCAG AA × Fail

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 31.6846, 0.2596, 0.2619 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

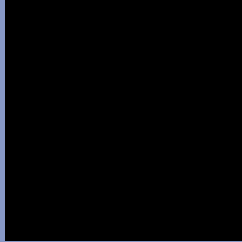
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

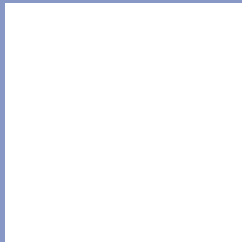
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.6846, 0.2596, 0.2619

Background



This preview shows how black text looks on a background with the Yxy color 31.6846, 0.2596, 0.2619.



This preview shows how white text looks on a background with the Yxy color 31.6846, 0.2596, 0.2619.

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

31.6846, 0.2596, 0.2619

Protanopia

31.7399, 0.2642, 0.2624

Deuteranopia

31.6407, 0.2650, 0.2599



Tritanopia

31.6833, 0.2762, 0.3085

Trichromacy



Original Color

31.6846, 0.2596, 0.2619

Protanomaly

31.5677, 0.2626, 0.2621

Deuteranomaly

31.6994, 0.2627, 0.2610

Tritanomaly

31.5633, 0.2700, 0.2906

Monochromacy



Original Color

31.6846, 0.2596, 0.2619

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4320, 0.2917, 0.3031

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.6846, 0.2596, 0.2619 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(135, 152, 198)` looks like.

```
.text, #text, p{  
    color:rgb(135, 152, 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(135, 152, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 152, 198) }
```

Border

The CSS property to change the border of an element to Yxy 31.6846, 0.2596, 0.2619 is called "border". The border property can be set on classes, ids or directly on the HTML element.

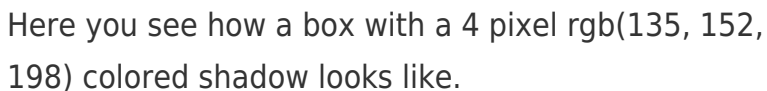
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(135, 152, 198) }
```

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

```
.border{ border-color:rgb(135, 152, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(135, 152, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 152, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 152, 198); box-shadow:4px 4px 4px 4px rgb(135, 152, 198) }
```


Background

The CSS property to change the background color of an element to Yxy 31.6846, 0.2596, 0.2619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 152, 198) }
```

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

```
.background{ background-color: rgb(135,  
152, 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