

Converting Colors

$Yxy(31.7969, 0.2631, 0.2999)$

Have a look what the booklet for
Yxy(31.7969, 0.2631, 0.2999)
contains.

Yxy(31.8925, 0.2633, 0.3006)	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(31.8925, 0.2633, 0.3006)

Conversions

Conversions Part 1

Format	Color
Hex	779FB1
RGB	119, 159, 177
RGB Percent	47%, 62%, 69%
CMY	0.5335, 0.3764, 0.3060
CMYK	0.33, 0.10, 0.00, 0.31
HSL	199°, 27%, 58%
HSV	199°, 33%, 69%
XYZ	27.9351, 31.8925, 46.2685
YIQ	149.0920, -29.6180, -2.8820

Conversions

Conversions Part 2

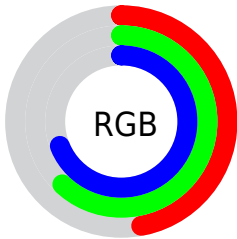
Format	Color
RYB	119, 143, 177
Decimal	7839665
CIELab	63.25, -9.18, -13.72
CIELCh	63, 16.504, 236.219
Yxy	31.8925, 0.2633, 0.3006
Android (android.graphics.Color)	4286029745 (0xFF779FB1)
YUV	149.0920, 13.7586, -26.3907
Hunter-Lab	56.4734, -10.5318, -9.0447

Details

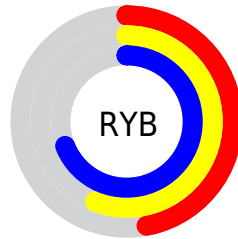
The Yxy color **31.8925, 0.2633, 0.3006** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5443, 0.3785, 0.3556**, and the grayscale version is **30.0424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.8606, 0.2730, 0.3065**, and **13.4093, 0.2483, 0.2925** is the 20% darker color. If you saturate the color by 10%, you get **28.9133, 0.2491, 0.2904**, and if you desaturate by 10%, it is **35.1910, 0.2781, 0.3102**.

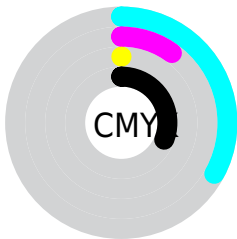
Distribution



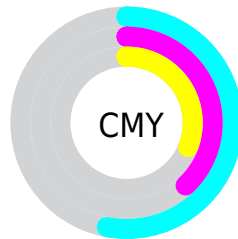
- Red (47%)
- Green (62%)
- Blue (69%)



- Red (47%)
- Yellow (56%)
- Blue (69%)



- Cyan (33%)
- Magenta (10%)
- Yellow (0%)
- Black (31%)





- Cyan (53%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8925, 0.2633, 0.3006 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 31.8925, 0.2633, 0.3006 by changing the saturation by 10% instead.


 31.8925, 0.2633,
0.3006


 31.8925, 0.2633,
0.3006


310.6293, 0.2891,
0.3160

 21.2794, 0.2565,
0.2964


 62.6425, 0.2730,
0.3065

 13.3284, 0.2475,
0.2906


 83.5482, 0.2765,
0.3086

 7.6551, 0.2352,
0.2826


 108.6536, 0.2795,
0.3104

 3.8750, 0.2174,
0.2704

138.3431, 0.2820,
0.3118

 1.6039, 0.1895,
0.2501

173.0009, 0.2842,
0.3131

 0.3602, 0.0628,
0.1912

213.0117, 0.2860,

 0.0000, 0.0000,

0.3142

0.0000

258.7597, 0.2877,
0.3151

■ 31.8925, 0.2633,
0.3006

■ 31.8925, 0.2633,
0.3006

■ 28.9133, 0.2491,
0.2904

■ 35.1910, 0.2781,
0.3102

■ 26.2354, 0.2360,
0.2795

■ 38.8179, 0.2933,
0.3189

■ 23.8449, 0.2242,
0.2682

■ 42.7867, 0.3085,
0.3269

■ 21.7247, 0.2140,
0.2566

■ 47.1089, 0.3235,
0.3341

■ 19.8555, 0.2058,
0.2449

■ 51.7954, 0.3382,
0.3405

■ 18.2143, 0.1995,
0.2333

■ 56.8564, 0.3523,
0.3462

■ 17.1383, 0.1959,
0.2250

■ 62.3019, 0.3658,
0.3512

■ 67.0758, 0.3742,
0.3561

■ 69.7075, 0.3725,
0.3616

Harmonies

Analogous

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



31.8925, 0.2680, 0.3221



31.8925, 0.2633, 0.3006



31.8925, 0.2710, 0.2879

Triad

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



31.8925, 0.2633, 0.3006



31.8925, 0.3410, 0.3116



31.8925, 0.3346, 0.3755

Complementary

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



31.8925, 0.2633, 0.3006



28.5443, 0.3785, 0.3556

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.



31.8925, 0.3554, 0.3703



31.8925, 0.2633, 0.3006



31.8925, 0.3595, 0.3330

Square

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



31.8925, 0.2633, 0.3006



31.8925, 0.3153, 0.2947



31.8925, 0.3647, 0.3544



31.8925, 0.3085, 0.3671

Rectangle

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



31.8925, 0.2633, 0.3006



31.8925, 0.2825, 0.2855



31.8925, 0.3647, 0.3544



31.8925, 0.3424, 0.3753

Sweetspot

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



31.8938, 0.2633, 0.3006



71.3381, 0.2973, 0.3211



37.1436, 0.2954, 0.3949



15.2548, 0.2952, 0.3200



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.8938, 0.2633, 0.3006



53.4017, 0.2535, 0.2936



23.2066, 0.2575, 0.2533



9.1787, 0.2986, 0.3218



12.5316, 0.1962, 0.2263



0.4923, 0.2051, 0.2583

Inverse Universe

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



25.0312, 0.3367, 0.2720



39.7493, 0.3433, 0.2600



37.7220, 0.3660, 0.3947



8.6010, 0.3183, 0.3134



7.8052, 0.4165, 0.2068



0.2555, 0.3841, 0.1889

Previews

White Background



This preview shows how the Yxy color 31.8925, 0.2633, 0.3006 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 31.8925, 0.2633, 0.3006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

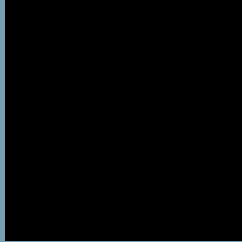
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

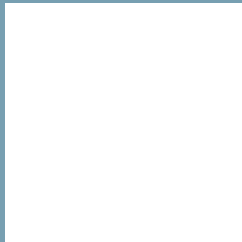
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.8925, 0.2633, 0.3006

Background



This preview shows how black text looks on a background with the Yxy color 31.8925, 0.2633, 0.3006.



This preview shows how white text looks on a background with the Yxy color 31.8925, 0.2633, 0.3006.

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

31.8925, 0.2633, 0.3006

Protanopia

31.9191, 0.2929, 0.2991

Deuteranopia

31.7181, 0.2914, 0.2853



Tritanopia

32.0103, 0.2656, 0.3082

Trichromacy



Original Color

31.8925, 0.2633, 0.3006

Protanomaly

31.9876, 0.2814, 0.3000

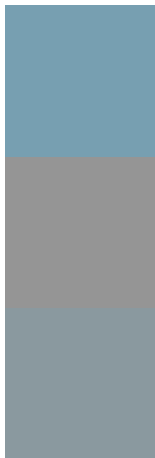
Deuteranomaly

31.7476, 0.2807, 0.2914

Tritanomaly

32.0492, 0.2649, 0.3067

Monochromacy



Original Color

31.8925, 0.2633, 0.3006

Achromatopsia

30.0544, 0.3127, 0.3290

Achromatomaly

30.6889, 0.2928, 0.3195

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8925, 0.2633, 0.3006 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(119, 159, 177)` looks like.

```
.text, #text, p{  
    color:rgb(119, 159, 177)  
}
```

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(119, 159, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 159, 177) }
```

Border

The CSS property to change the border of an element to Yxy 31.8925, 0.2633, 0.3006 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(119, 159, 177) }
```

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

```
.border{ border-color:rgb(119, 159, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 159, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 159, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 159, 177);  
box-shadow:4px 4px 4px 4px rgb(119, 159,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8925, 0.2633, 0.3006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 159, 177) }
```

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

```
.background{ background-color: rgb(119,  
159, 177) }
```

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