

Converting Colors

$Y_{xy}(31.9601, 0.2700, 0.3082)$

Have a look what the booklet for
Yxy(31.9601, 0.2700, 0.3082)
contains.

Yxy(31.9858, 0.2701, 0.3084)	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(31.9858, 0.2701, 0.3084)

Conversions

Conversions Part 1

Format	Color
Hex	7B9FAC
RGB	123, 159, 172
RGB Percent	48%, 62%, 67%
CMY	0.5176, 0.3765, 0.3256
CMYK	0.28, 0.08, 0.00, 0.33
HSL	196°, 23%, 58%
HSV	196°, 28%, 67%
XYZ	28.0135, 31.9858, 43.7160
YIQ	149.7180, -25.6290, -3.5890

Conversions

Conversions Part 2

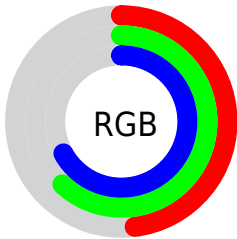
Format	Color
RYB	123, 144, 172
Decimal	8101804
CIELab	63.33, -9.20, -10.77
CIElCh	63, 14.161, 229.492
Yxy	31.9858, 0.2701, 0.3084
Android (android.graphics.Color)	4286291884 (0xFF7B9FAC)
YUV	149.7180, 10.9850, -23.4317
Hunter-Lab	56.5560, -10.5578, -6.2401

Details

The Yxy color **31.9858, 0.2701, 0.3084** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **27.8077, 0.3685, 0.3486**, and the grayscale version is **30.3363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9863, 0.2790, 0.3135**, and **13.4589, 0.2559, 0.3014** is the 20% darker color. If you saturate the color by 10%, you get **29.2886, 0.2560, 0.3000**, and if you desaturate by 10%, it is **34.9662, 0.2848, 0.3162**.

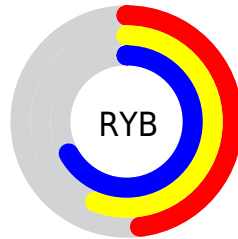
Distribution



Red (48%)

Green (62%)

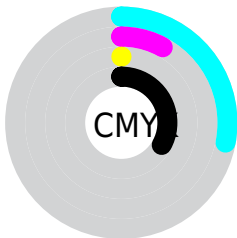
Blue (67%)



Red (48%)

Yellow (56%)

Blue (67%)

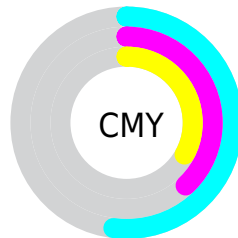


Cyan (28%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (52%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9858, 0.2701, 0.3084 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 31.9858, 0.2701, 0.3084 by changing the saturation by 10% instead.

■ 31.9858, 0.2701,
0.3084

■ 31.9858, 0.2701,
0.3084

■ 311.0546, 0.2924,
0.3196

■ 21.3507, 0.2642,
0.3053

■ 62.7888, 0.2785,
0.3127

■ 13.3806, 0.2564,
0.3011

■ 83.7255, 0.2815,
0.3143

■ 7.6911, 0.2456,
0.2950

■ 108.8648, 0.2841,
0.3155

■ 3.8979, 0.2298,
0.2859

■ 138.5911, 0.2863,
0.3166

■ 1.6166, 0.2048,
0.2702

■ 173.2889, 0.2881,
0.3175

■ 0.3688, 0.0758,
0.2219

■ 213.3424, 0.2898,

■ 0.0000, 0.0000,

0.3183

0.0000

259.1362, 0.2912,
0.3190

■ 31.9858, 0.2701,
0.3084

■ 31.9858, 0.2701,
0.3084

■ 29.2886, 0.2560,
0.3000

■ 34.9662, 0.2848,
0.3162

■ 26.8585, 0.2429,
0.2910

■ 38.2375, 0.2999,
0.3234

■ 24.6835, 0.2310,
0.2816

■ 41.8115, 0.3150,
0.3300

■ 22.7488, 0.2208,
0.2719

■ 45.6983, 0.3300,
0.3358

■ 21.0379, 0.2123,
0.2621

■ 49.9077, 0.3446,
0.3411

■ 19.5315, 0.2058,
0.2523

■ 54.4486, 0.3588,
0.3457

■ 18.1960, 0.2010,
0.2426

■ 59.3298, 0.3723,
0.3498

■ 17.9988, 0.2003,
0.2411

■ 63.4808, 0.3806,
0.3537

■ 65.5617, 0.3791,
0.3584

Harmonies

Analogous

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



31.9858, 0.2766, 0.3280



31.9858, 0.2701, 0.3084



31.9858, 0.2744, 0.2954

Triad

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



31.9858, 0.2701, 0.3084



31.9858, 0.3324, 0.3103



31.9858, 0.3362, 0.3688

Complementary

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



31.9858, 0.2701, 0.3084



27.8077, 0.3685, 0.3486

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.



31.9858, 0.3521, 0.3622



31.9858, 0.2701, 0.3084



31.9858, 0.3500, 0.3283

Square

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



31.9858, 0.2701, 0.3084



31.9858, 0.3098, 0.2970



31.9858, 0.3573, 0.3471



31.9858, 0.3143, 0.3640

Rectangle

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



31.9858, 0.2701, 0.3084



31.9858, 0.2830, 0.2917



31.9858, 0.3573, 0.3471



31.9858, 0.3424, 0.3677

Sweetspot

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



31.9871, 0.2701, 0.3084



68.9568, 0.2988, 0.3230



35.4664, 0.2995, 0.3889



14.7975, 0.2967, 0.3220



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



31.9871, 0.2701, 0.3084



54.9777, 0.2613, 0.3033



24.5918, 0.2661, 0.2691



8.7074, 0.2986, 0.3229



13.4909, 0.2006, 0.2421



0.4584, 0.2087, 0.2714

Inverse Universe

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



25.4433, 0.3302, 0.2768



41.4917, 0.3351, 0.2653



35.2505, 0.3593, 0.3825



8.1113, 0.3176, 0.3125



7.6650, 0.4002, 0.1978



0.2216, 0.3715, 0.1820

Previews

White Background



This preview shows how the Yxy color 31.9858, 0.2701, 0.3084 looks on a white background.

Color Contrast Check

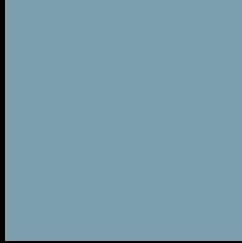
Large Text (above 18pt) WCAG AA × Fail

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 31.9858, 0.2701, 0.3084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

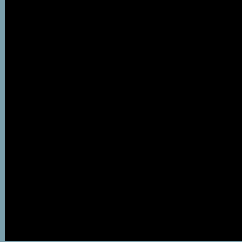
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

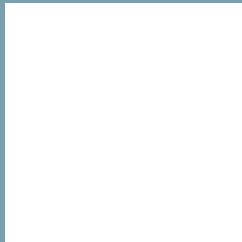
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.9858, 0.2701, 0.3084

Background



This preview shows how black text looks on a background with the Yxy color 31.9858, 0.2701, 0.3084.



This preview shows how white text looks on a background with the Yxy color 31.9858, 0.2701, 0.3084.

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

31.9858, 0.2701, 0.3084

Protanopia

31.8258, 0.2981, 0.3064

Deuteranopia

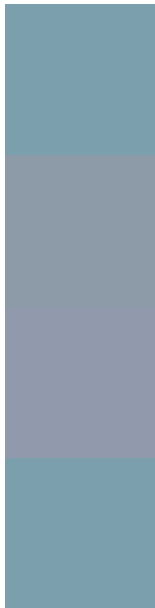
31.8200, 0.2987, 0.2925



Tritanopia

31.9858, 0.2701, 0.3084

Trichromacy



Original Color

31.9858, 0.2701, 0.3084

Protanomaly

31.9700, 0.2873, 0.3075

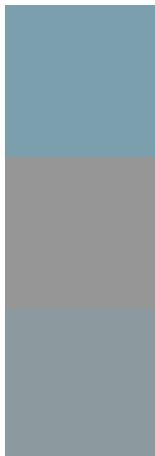
Deuteranomaly

31.8193, 0.2874, 0.2988

Tritanomaly

31.9858, 0.2701, 0.3084

Monochromacy



Original Color

31.9858, 0.2701, 0.3084

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.8265, 0.2956, 0.3211

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9858, 0.2701, 0.3084 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(123, 159, 172)` looks like.

```
.text, #text, p{  
    color:rgb(123, 159, 172)  
}
```

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(123, 159, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 159, 172) }
```

Border

The CSS property to change the border of an element to Yxy 31.9858, 0.2701, 0.3084 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(123, 159, 172) }
```

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

```
.border{ border-color:rgb(123, 159, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 159, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 159, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 159, 172);  
box-shadow:4px 4px 4px 4px rgb(123, 159,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9858, 0.2701, 0.3084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 159, 172) }
```

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

```
.background{ background-color: rgb(123,  
159, 172) }
```

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