

Converting Colors

$Y_{xy}(32.9840, 0.2760, 0.3088)$

Have a look what the booklet for
Yxy(32.9840, 0.2760, 0.3088)
contains.

Yxy(32.9840, 0.2760, 0.3088)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9840, 0.2760, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	83A0AD
RGB	131, 160, 173
RGB Percent	51%, 63%, 68%
CMY	0.4860, 0.3726, 0.3216
CMYK	0.24, 0.08, 0.00, 0.32
HSL	199°, 20%, 60%
HSV	199°, 24%, 68%
XYZ	29.4805, 32.9840, 44.3490
YIQ	152.8110, -21.4570, -2.1050

Conversions

Conversions Part 2

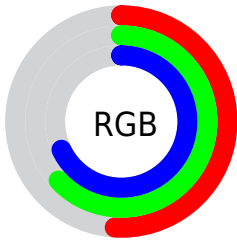
Format	Color
RYB	131, 148, 173
Decimal	8626349
CIELab	64.15, -7.01, -10.07
CIElCh	64, 12.267, 235.152
Yxy	32.9840, 0.2760, 0.3088
Android (android.graphics.Color)	4286816429 (0xFF83A0AD)
YUV	152.8110, 9.9532, -19.1282
Hunter-Lab	57.4317, -8.8789, -5.5818

Details

The Yxy color **32.9840, 0.2760, 0.3088** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.4938, 0.3578, 0.3483**, and the grayscale version is **31.7368, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5166, 0.2836, 0.3138**, and **14.0232, 0.2635, 0.3022** is the 20% darker color. If you saturate the color by 10%, you get **29.8956, 0.2613, 0.2991**, and if you desaturate by 10%, it is **36.3862, 0.2911, 0.3177**.

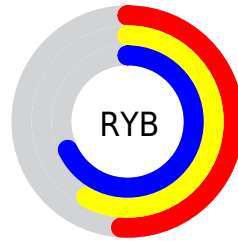
Distribution



Red (51%)

Green (63%)

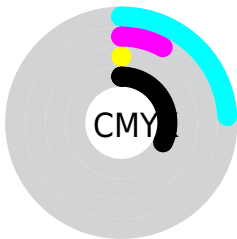
Blue (68%)



Red (51%)

Yellow (58%)

Blue (68%)

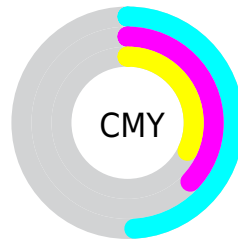


Cyan (24%)

Magenta (8%)

Yellow (0%)

Black (32%)



Cyan (49%)


Magenta (37%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9840, 0.2760, 0.3088 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 32.9840, 0.2760, 0.3088 by changing the saturation by 10% instead.


 32.9840, 0.2760,
0.3088


 32.9840, 0.2760,
0.3088


315.5776, 0.2952,
0.3197


 22.1142, 0.2709,
0.3058


 64.3505, 0.2832,
0.3129

 13.9408, 0.2642,
0.3018


 85.6161, 0.2858,
0.3144

 8.0795, 0.2550,
0.2962


 111.1156, 0.2880,
0.3157

 4.1459, 0.2415,
0.2877

141.2336, 0.2899,
0.3167

 1.7555, 0.2201,
0.2735

176.3544, 0.2915,
0.3176

 0.4592, 0.1362,
0.2356

216.8624, 0.2929,

 0.0000, 0.0000,

0.3184

0.0000

263.1420, 0.2941,
0.3191

■ 32.9840, 0.2760,
0.3088

■ 32.9840, 0.2760,
0.3088

■ 29.8956, 0.2613,
0.2991

■ 36.3862, 0.2911,
0.3177

■ 27.1044, 0.2472,
0.2888

■ 40.1097, 0.3063,
0.3258

■ 24.5985, 0.2342,
0.2779

■ 44.1668, 0.3213,
0.3331

■ 22.3630, 0.2227,
0.2665

■ 48.5680, 0.3360,
0.3396

■ 20.3816, 0.2128,
0.2549

■ 53.3230, 0.3502,
0.3454

■ 18.6356, 0.2048,
0.2432

■ 58.4413, 0.3638,
0.3506

■ 17.1028, 0.1988,
0.2316

■ 63.9320, 0.3767,
0.3550

■ 16.2886, 0.1958,
0.2250

■ 66.9567, 0.3773,
0.3603

■ 69.5350, 0.3756,
0.3657

Harmonies

Analogous

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



32.9840, 0.2799, 0.3248



32.9840, 0.2760, 0.3088



32.9840, 0.2815, 0.2989

Triad

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



32.9840, 0.2760, 0.3088



32.9840, 0.3330, 0.3156



32.9840, 0.3296, 0.3630

Complementary

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



32.9840, 0.2760, 0.3088



30.4938, 0.3578, 0.3483

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.



32.9840, 0.3445, 0.3592



32.9840, 0.2760, 0.3088



32.9840, 0.3466, 0.3316

Square

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



32.9840, 0.2760, 0.3088



32.9840, 0.3140, 0.3031



32.9840, 0.3509, 0.3476



32.9840, 0.3105, 0.3570

Rectangle

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



32.9840, 0.2760, 0.3088



32.9840, 0.2899, 0.2967



32.9840, 0.3509, 0.3476



32.9840, 0.3353, 0.3628

Sweetspot

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



32.9853, 0.2760, 0.3088



69.8521, 0.3019, 0.3236



36.7211, 0.2997, 0.3754



15.0972, 0.3011, 0.3231



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.



32.9853, 0.2760, 0.3088



56.0928, 0.2682, 0.3038



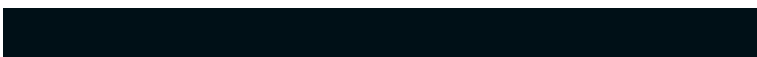
26.4428, 0.2733, 0.2757



8.6464, 0.2986, 0.3218



12.0710, 0.1962, 0.2262



0.4272, 0.2058, 0.2610

Inverse Universe

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



27.6710, 0.3292, 0.2874



45.1888, 0.3337, 0.2780



37.2963, 0.3511, 0.3772



8.1051, 0.3183, 0.3135



7.5216, 0.4166, 0.2069



0.2185, 0.3814, 0.1875

Previews

White Background



This preview shows how the Yxy color 32.9840, 0.2760, 0.3088 looks on a white background.

Color Contrast Check

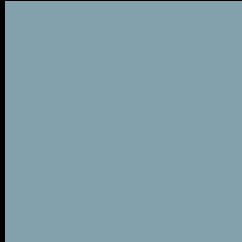
Large Text (above 18pt) WCAG AA × Fail

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 32.9840, 0.2760, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

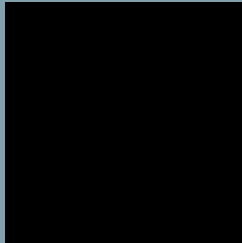
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

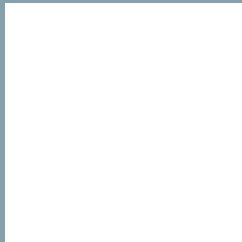
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.9840, 0.2760, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 32.9840, 0.2760, 0.3088.

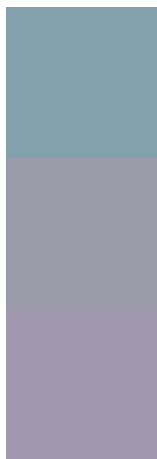


This preview shows how white text looks on a background with the Yxy color 32.9840, 0.2760, 0.3088.

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

32.9840, 0.2760, 0.3088

Protanopia

32.8458, 0.2993, 0.3068

Deuteranopia

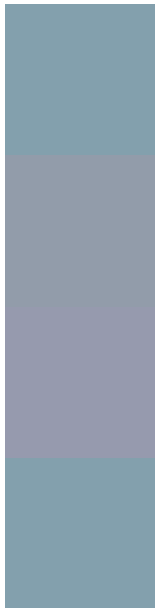
32.8054, 0.3007, 0.2944



Tritanopia

32.9840, 0.2760, 0.3088

Trichromacy



Original Color

32.9840, 0.2760, 0.3088

Protanomaly

32.7902, 0.2910, 0.3078

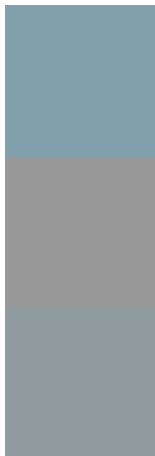
Deuteranomaly

32.6512, 0.2912, 0.2993

Tritanomaly

32.9840, 0.2760, 0.3088

Monochromacy



Original Color

32.9840, 0.2760, 0.3088

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.3347, 0.2986, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9840, 0.2760, 0.3088 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(131, 160, 173)` looks like.

```
.text, #text, p{  
    color:rgb(131, 160, 173)  
}
```

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(131, 160, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 160, 173) }
```

Border

The CSS property to change the border of an element to Yxy 32.9840, 0.2760, 0.3088 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(131, 160, 173) }
```

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

```
.border{ border-color:rgb(131, 160, 173) }
```

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

Here you see how a box with a 4 pixel rgb(131, 160, 173) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 160, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 160, 173);  
box-shadow:4px 4px 4px 4px rgb(131, 160,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9840, 0.2760, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 160, 173) }
```

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

```
.background{ background-color: rgb(131,  
160, 173) }
```

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