

Converting Colors

$Yxy(32.5403, 0.2895, 0.3795)$

Have a look what the booklet for
Yxy(32.5403, 0.2895, 0.3795)
contains.

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Color

Yxy(32.4948, 0.2896, 0.3800)

Conversions

Conversions Part 1

Format	Color
Hex	70A688
RGB	112, 166, 136
RGB Percent	44%, 65%, 53%
CMY	0.5606, 0.3490, 0.4667
CMYK	0.33, 0.00, 0.18, 0.35
HSL	147°, 23%, 55%
HSV	147°, 33%, 65%
XYZ	24.7645, 32.4948, 28.2534
YIQ	146.4340, -22.5540, -20.7780

Conversions

Conversions Part 2

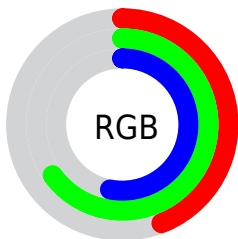
Format	Color
RYB	112, 149, 166
Decimal	7382664
CIELab	63.75, -24.40, 9.93
CIELCh	64, 26.344, 157.846
Yxy	32.4948, 0.2896, 0.3800
Android (android.graphics.Color)	4285572744 (0xFF70A688)
YUV	146.4340, -5.1440, -30.1986
Hunter-Lab	57.0042, -22.2112, 10.5167

Details

The Yxy color **32.4948, 0.2896, 0.3800** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.6572, 0.3454, 0.2832**, and the grayscale version is **28.9636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3864, 0.2945, 0.3693**, and **13.6986, 0.2808, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **31.2541, 0.2836, 0.3990**, and if you desaturate by 10%, it is **33.9616, 0.2963, 0.3625**.

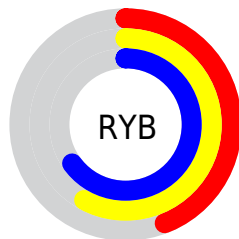
Distribution



Red (44%)

Green (65%)

Blue (53%)



Red (44%)

Yellow (58%)

Blue (65%)

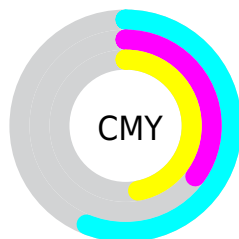


Cyan (33%)

Magenta (0%)

Yellow (18%)

Black (35%)



Cyan (56%)


Magenta (35%)


Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4948, 0.2896, 0.3800 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 32.4948, 0.2896, 0.3800 by changing the saturation by 10% instead.


 32.4948, 0.2896,
0.3800


 32.4948, 0.2896,
0.3800

313.3671, 0.3023,
0.3521


 21.7397, 0.2860,
0.3879


 63.5860, 0.2945,
0.3692

 13.6658, 0.2811,
0.3987


 84.6909, 0.2963,
0.3654

 7.8886, 0.2740,
0.4142


 110.0145, 0.2977,
0.3622

 4.0237, 0.2629,
0.4386

 139.9412, 0.2989,
0.3595

 1.6868, 0.2431,
0.4818

174.8554, 0.2999,
0.3572

 0.4151, 0.0000,
1.0000

215.1415, 0.3008,

 0.0000, 0.0000,

0.3553

0.0000

261.1840, 0.3016,
0.3536

■ 32.4948, 0.2896,
0.3800

■ 32.4948, 0.2896,
0.3800

■ 31.2541, 0.2836,
0.3990

■ 33.9616, 0.2963,
0.3625

■ 30.2238, 0.2787,
0.4193

■ 35.6611, 0.3035,
0.3466

■ 29.3926, 0.2751,
0.4405


■ 37.6049, 0.3109,
0.3323


■ 28.7463, 0.2732,
0.4620


■ 39.8022, 0.3183,
0.3196

■ 28.2689, 0.2732,
0.4832


■ 42.2621, 0.3256,
0.3085


 27.9413, 0.2750,
0.5035

 44.9930, 0.3327,
0.2986

 27.7620, 0.2772,
0.5178

 48.0030, 0.3395,
0.2900

 51.2999, 0.3461,
0.2825

 53.6505, 0.3467,
0.2749

Harmonies

Analogous

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



32.4948, 0.3306, 0.4019



32.4948, 0.2896, 0.3800



32.4948, 0.2563, 0.3417

Triad

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



32.4948, 0.2896, 0.3800



32.4948, 0.2571, 0.2622



32.4948, 0.3934, 0.3470

Complementary

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



32.4948, 0.2896, 0.3800



21.6572, 0.3454, 0.2832

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.



32.4948, 0.3712, 0.3135



32.4948, 0.2896, 0.3800



32.4948, 0.2907, 0.2665

Square

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



32.4948, 0.2896, 0.3800



32.4948, 0.2386, 0.2741



32.4948, 0.3327, 0.2849



32.4948, 0.3920, 0.3786

Rectangle

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



32.4948, 0.2896, 0.3800



32.4948, 0.2423, 0.3146



32.4948, 0.3327, 0.2849



32.4948, 0.3884, 0.3357

Sweetspot

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



32.4961, 0.2896, 0.3800



65.5021, 0.3052, 0.3431



34.2479, 0.3370, 0.4149



14.5560, 0.3042, 0.3451



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



32.4961, 0.2896, 0.3800



57.3123, 0.2852, 0.3936



33.3419, 0.2698, 0.3347



8.4610, 0.3058, 0.3418



21.5376, 0.2767, 0.5161



0.5344, 0.2583, 0.4497

Inverse Universe

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



21.6572, 0.3454, 0.2832



34.5391, 0.3553, 0.2728



20.9552, 0.3807, 0.3236



7.6095, 0.3202, 0.3165



6.8997, 0.4690, 0.2357



0.1779, 0.4082, 0.2023

Previews

White Background



This preview shows how the Yxy color 32.4948, 0.2896, 0.3800 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 32.4948, 0.2896, 0.3800 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 32.4948, 0.2896, 0.3800

Background



This preview shows how black text looks on a background with the Yxy color 32.4948, 0.2896, 0.3800.



This preview shows how white text looks on a background with the Yxy color 32.4948, 0.2896, 0.3800.

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

32.4948, 0.2896, 0.3800

Protanopia

32.0756, 0.3441, 0.3640

Deuteranopia

32.0719, 0.3483, 0.3407



Tritanopia

32.5388, 0.2666, 0.3084

Trichromacy



Original Color

32.4948, 0.2896, 0.3800

Protanomaly

32.0490, 0.3225, 0.3706

Deuteranomaly

31.8861, 0.3236, 0.3540

Tritanomaly

32.5144, 0.2749, 0.3338

Monochromacy



Original Color

32.4948, 0.2896, 0.3800

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

29.8038, 0.3040, 0.3471

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4948, 0.2896, 0.3800 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(112, 166, 136)` looks like.

```
.text, #text, p{  
    color:rgb(112, 166, 136)  
}
```

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(112, 166, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 166, 136) }
```

Border

The CSS property to change the border of an element to Yxy 32.4948, 0.2896, 0.3800 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(112, 166, 136) }
```

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

```
.border{ border-color:rgb(112, 166, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 166, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 166, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 166, 136);  
box-shadow:4px 4px 4px 4px rgb(112, 166,  
136) }
```


Background

The CSS property to change the background color of an element to Yxy 32.4948, 0.2896, 0.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 166, 136) }
```

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

```
.background{ background-color: rgb(112,  
166, 136) }
```

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](#).

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