

Converting Colors

$Y_{xy}(32.9768, 0.2933, 0.3870)$

Have a look what the booklet for
Yxy(32.9768, 0.2933, 0.3870)
contains.

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Color

Yxy(32.9083, 0.2936, 0.3866)

Conversions

Conversions Part 1

Format	Color
Hex	72A785
RGB	114, 167, 133
RGB Percent	45%, 65%, 52%
CMY	0.5529, 0.3451, 0.4785
CMYK	0.32, 0.00, 0.20, 0.35
HSL	141°, 23%, 55%
HSV	141°, 32%, 65%
XYZ	24.9919, 32.9083, 27.2221
YIQ	147.2770, -20.6740, -21.8100

Conversions

Conversions Part 2

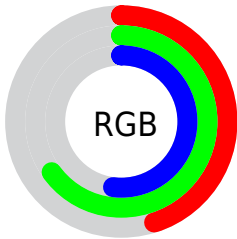
Format	Color
RYB	114, 153, 167
Decimal	7513989
CIELab	64.09, -24.88, 12.09
CIELCh	64, 27.657, 154.087
Yxy	32.9083, 0.2936, 0.3866
Android (android.graphics.Color)	4285704069 (0xFF72A785)
YUV	147.2770, -7.0386, -29.1839
Hunter-Lab	57.3658, -22.6249, 12.0208

Details

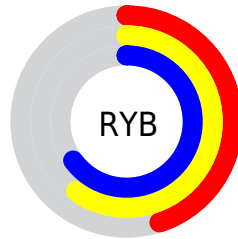
The Yxy color **32.9083, 0.2936, 0.3866** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.3907, 0.3387, 0.2778**, and the grayscale version is **29.3352, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0032, 0.2977, 0.3742**, and **13.9760, 0.2872, 0.4093** is the 20% darker color. If you saturate the color by 10%, you get **31.6088, 0.2885, 0.4087**, and if you desaturate by 10%, it is **34.4453, 0.2993, 0.3663**.

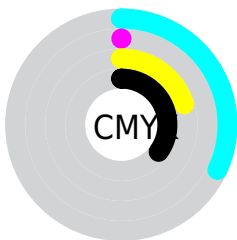
Distribution



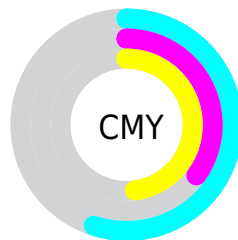
- Red (45%)
- Green (65%)
- Blue (52%)



- Red (45%)
- Yellow (60%)
- Blue (65%)



- Cyan (32%)
- Magenta (0%)
- Yellow (20%)
- Black (35%)





- Cyan (55%)
- Magenta (35%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9083, 0.2936, 0.3866 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 32.9083, 0.2936, 0.3866 by changing the saturation by 10% instead.

 32.9083, 0.2936,
0.3866


 32.9083, 0.2936,
0.3866


315.2363, 0.3043,
0.3550

 22.0562, 0.2905,
0.3955


 64.2323, 0.2978,
0.3744


 13.8982, 0.2863,
0.4077


 85.4731, 0.2992,
0.3700

 8.0499, 0.2800,
0.4254


 110.9455, 0.3004,
0.3664

 4.1269, 0.2700,
0.4529

 141.0339, 0.3015,
0.3634

 1.7448, 0.2520,
0.5024

176.1229, 0.3023,
0.3609

 0.4524, 0.0000,
1.0000

216.5966, 0.3031,

 0.0000, 0.0000,

0.3586

0.0000

262.8397, 0.3037,
0.3567

■ 32.9083, 0.2936,
0.3866

■ 32.9083, 0.2936,
0.3866

■ 31.6088, 0.2885,
0.4087

■ 34.4453, 0.2993,
0.3663

■ 30.5306, 0.2842,
0.4322

■ 36.2267, 0.3054,
0.3480

■ 29.6618, 0.2812,
0.4566


■ 38.2644, 0.3116,
0.3316


■ 28.9881, 0.2797,
0.4811


■ 40.5683, 0.3178,
0.3172


■ 28.4927, 0.2799,
0.5049


■ 43.1475, 0.3239,
0.3044

 28.1561, 0.2819,
0.5269

 46.0110, 0.3297,
0.2933

 27.9630, 0.2842,
0.5433

 49.1671, 0.3352,
0.2835

 52.6240, 0.3405,
0.2751

 54.5807, 0.3376,
0.2660

Harmonies

Analogous

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



32.9083, 0.3366, 0.4065



32.9083, 0.2936, 0.3866



32.9083, 0.2574, 0.3476

Triad

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



32.9083, 0.2936, 0.3866



32.9083, 0.2513, 0.2599



32.9083, 0.3955, 0.3431

Complementary

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



32.9083, 0.2936, 0.3866



22.3907, 0.3387, 0.2778

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.



32.9083, 0.3695, 0.3087



32.9083, 0.2936, 0.3866



32.9083, 0.2846, 0.2625

Square

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



32.9083, 0.2936, 0.3866



32.9083, 0.2344, 0.2744



32.9083, 0.3279, 0.2800



32.9083, 0.3971, 0.3768

Rectangle

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



32.9083, 0.2936, 0.3866



32.9083, 0.2414, 0.3190



32.9083, 0.3279, 0.2800



32.9083, 0.3893, 0.3314

Sweetspot

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



32.9097, 0.2936, 0.3866



65.4132, 0.3064, 0.3453



35.1919, 0.3409, 0.4115



14.5337, 0.3055, 0.3477



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.



32.9097, 0.2936, 0.3866



57.2734, 0.2899, 0.4018



33.7215, 0.2739, 0.3418



8.4505, 0.3069, 0.3438



21.4054, 0.2838, 0.5415



0.5306, 0.2644, 0.4718

Inverse Universe

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



22.3907, 0.3387, 0.2778



35.4685, 0.3463, 0.2664



21.6561, 0.3725, 0.3168



7.6203, 0.3190, 0.3146



7.1112, 0.4347, 0.2168



0.1822, 0.3887, 0.1915

Previews

White Background



This preview shows how the Yxy color 32.9083, 0.2936, 0.3866 looks on a white background.

Color Contrast Check

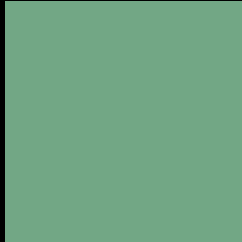
Large Text (above 18pt) WCAG AA × Fail

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 32.9083, 0.2936, 0.3866 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 32.9083, 0.2936, 0.3866

Background



This preview shows how black text looks on a background with the Yxy color 32.9083, 0.2936, 0.3866.



This preview shows how white text looks on a background with the Yxy color 32.9083, 0.2936, 0.3866.

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

32.9083, 0.2936, 0.3866

Protanopia

32.5360, 0.3489, 0.3698

Deuteranopia

32.5311, 0.3532, 0.3465



Tritanopia

32.6833, 0.2682, 0.3085

Trichromacy



Original Color

32.9083, 0.2936, 0.3866

Protanomaly

32.4922, 0.3271, 0.3767

Deuteranomaly

32.3268, 0.3283, 0.3601

Tritanomaly

32.6195, 0.2772, 0.3354

Monochromacy



Original Color

32.9083, 0.2936, 0.3866

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2151, 0.3049, 0.3486

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9083, 0.2936, 0.3866 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(114, 167, 133)` looks like.

```
.text, #text, p{  
    color:rgb(114, 167, 133)  
}
```

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(114, 167, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 167, 133) }
```

Border

The CSS property to change the border of an element to Yxy 32.9083, 0.2936, 0.3866 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(114, 167, 133) }
```

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

```
.border{ border-color:rgb(114, 167, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 167, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 167, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 167, 133);  
box-shadow:4px 4px 4px 4px rgb(114, 167,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9083, 0.2936, 0.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 167, 133) }
```

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

```
.background{ background-color: rgb(114,  
167, 133) }
```

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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