

Converting Colors

$Yxy(33.5449, 0.2864, 0.3910)$

Have a look what the booklet for
Yxy(33.5449, 0.2864, 0.3910)
contains.

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Color

Yxy(33.4739, 0.2859, 0.3906)

Conversions

Conversions Part 1

Format	Color
Hex	69AA86
RGB	105, 170, 134
RGB Percent	41%, 67%, 53%
CMY	0.5883, 0.3333, 0.4745
CMYK	0.38, 0.00, 0.21, 0.33
HSL	147°, 28%, 54%
HSV	147°, 38%, 67%
XYZ	24.5012, 33.4739, 27.7235
YIQ	146.4610, -27.1840, -24.9760

Conversions

Conversions Part 2

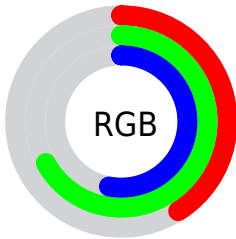
Format	Color
RYB	105, 150, 170
Decimal	6924934
CIELab	64.54, -28.95, 12.10
CIELCh	65, 31.381, 157.312
Yxy	33.4739, 0.2859, 0.3906
Android (android.graphics.Color)	4285115014 (0xFF69AA86)
YUV	146.4610, -6.1433, -36.3613
Hunter-Lab	57.8566, -25.6576, 12.0893

Details

The Yxy color **33.4739, 0.2859, 0.3906** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.5679, 0.3535, 0.2751**, and the grayscale version is **28.9763, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3515, 0.2921, 0.3782**, and **14.1196, 0.2760, 0.4133** is the 20% darker color. If you saturate the color by 10%, you get **32.2959, 0.2805, 0.4103**, and if you desaturate by 10%, it is **34.8838, 0.2923, 0.3722**.

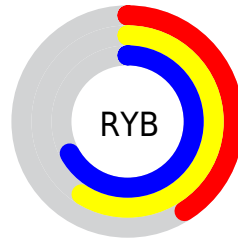
Distribution



Red (41%)

Green (67%)

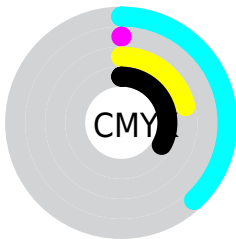
Blue (53%)



Red (41%)

Yellow (59%)

Blue (67%)

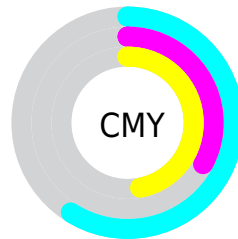


Cyan (38%)

Magenta (0%)

Yellow (21%)

Black (33%)



Cyan (59%)

Magenta (33%)

Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4739, 0.2859, 0.3906 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 33.4739, 0.2859, 0.3906 by changing the saturation by 10% instead.


 33.4739, 0.2859,
0.3906


 33.4739, 0.2859,
0.3906


317.7798, 0.3007,
0.3568

 22.4897, 0.2817,
0.4002


 65.1147, 0.2916,
0.3775


 14.2172, 0.2760,
0.4132


 86.5401, 0.2937,
0.3729

 8.2719, 0.2677,
0.4320


 112.2147, 0.2953,
0.3690

 4.2694, 0.2547,
0.4614

 142.5230, 0.2967,
0.3658

 1.8254, 0.2316,
0.5134

177.8492, 0.2979,
0.3631

 0.5029, 0.0000,
1.0000

218.5778, 0.2990,

 0.0000, 0.0000,

0.3607

0.0000

265.0932, 0.2999,
0.3586

■ 33.4739, 0.2859,
0.3906

■ 33.4739, 0.2859,
0.3906

■ 32.2959, 0.2805,
0.4103

■ 34.8838, 0.2923,
0.3722

■ 31.3327, 0.2763,
0.4312

■ 36.5335, 0.2992,
0.3554

■ 30.5714, 0.2736,
0.4526


■ 38.4352, 0.3066,
0.3403


■ 29.9960, 0.2728,
0.4739

■ 40.5994, 0.3140,
0.3267


■ 29.5877, 0.2739,
0.4946

■ 43.0357, 0.3215,
0.3147


 29.3146, 0.2765,
0.5140

 45.7536, 0.3287,
0.3042

 29.2723, 0.2770,
0.5173

 48.7617, 0.3358,
0.2949

 52.0685, 0.3426,
0.2868

 55.1119, 0.3464,
0.2793

Harmonies

Analogous

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



33.4739, 0.3339, 0.4160



33.4739, 0.2859, 0.3906



33.4739, 0.2470, 0.3445

Triad

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



33.4739, 0.2859, 0.3906



33.4739, 0.2471, 0.2512



33.4739, 0.4078, 0.3484

Complementary

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



33.4739, 0.2859, 0.3906



20.5679, 0.3535, 0.2751

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.



33.4739, 0.3810, 0.3099



33.4739, 0.2859, 0.3906



33.4739, 0.2858, 0.2562

Square

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



33.4739, 0.2859, 0.3906



33.4739, 0.2263, 0.2648



33.4739, 0.3350, 0.2772



33.4739, 0.4062, 0.3856

Rectangle

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



33.4739, 0.2859, 0.3906



33.4739, 0.2308, 0.3122



33.4739, 0.3350, 0.2772



33.4739, 0.4018, 0.3353

Sweetspot

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



33.4753, 0.2859, 0.3906



68.6643, 0.3044, 0.3446



35.5072, 0.3409, 0.4315



15.2098, 0.3034, 0.3465



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.



33.4753, 0.2859, 0.3906



58.8708, 0.2812, 0.4075



34.4952, 0.2634, 0.3359



8.4613, 0.3058, 0.3418



21.5419, 0.2765, 0.5153



0.5345, 0.2581, 0.4491

Inverse Universe

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



20.5679, 0.3535, 0.2751



32.0372, 0.3667, 0.2632



19.7562, 0.3985, 0.3226



7.6092, 0.3203, 0.3166



6.8941, 0.4700, 0.2363



0.1778, 0.4088, 0.2026

Previews

White Background



This preview shows how the Yxy color 33.4739, 0.2859, 0.3906 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 33.4739, 0.2859, 0.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

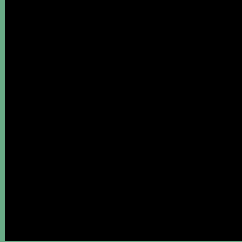
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4739, 0.2859, 0.3906

Background



This preview shows how black text looks on a background with the Yxy color 33.4739, 0.2859, 0.3906.

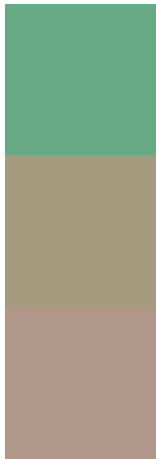


This preview shows how white text looks on a background with the Yxy color 33.4739, 0.2859, 0.3906.

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

33.4739, 0.2859, 0.3906

Protanopia

32.9743, 0.3497, 0.3711

Deuteranopia

32.9948, 0.3530, 0.3464



Tritanopia

33.3701, 0.2614, 0.3084

Trichromacy



Original Color

33.4739, 0.2859, 0.3906

Protanomaly

32.5930, 0.3230, 0.3770

Deuteranomaly

32.4994, 0.3251, 0.3602

Tritanomaly

33.2252, 0.2701, 0.3370

Monochromacy



Original Color

33.4739, 0.2859, 0.3906

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.2210, 0.3011, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4739, 0.2859, 0.3906 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(105, 170, 134)` looks like.

```
.text, #text, p{  
    color:rgb(105, 170, 134)  
}
```

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(105, 170, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 170, 134) }
```

Border

The CSS property to change the border of an element to Yxy 33.4739, 0.2859, 0.3906 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(105, 170, 134) }
```

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

```
.border{ border-color:rgb(105, 170, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 170, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 170, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 170, 134);  
box-shadow:4px 4px 4px 4px rgb(105, 170,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4739, 0.2859, 0.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 170, 134) }
```

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

```
.background{ background-color: rgb(105,  
170, 134) }
```

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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