

Converting Colors

$Yxy(33.6695, 0.2980, 0.4106)$

Have a look what the booklet for
Yxy(33.6695, 0.2980, 0.4106)
contains.

Yxy(33.8709, 0.2981, 0.4109)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.8709, 0.2981, 0.4109)

Conversions

Conversions Part 1

Format	Color
Hex	6EAB7B
RGB	110, 171, 123
RGB Percent	43%, 67%, 48%
CMY	0.5685, 0.3294, 0.5176
CMYK	0.36, 0.00, 0.28, 0.33
HSL	133°, 27%, 55%
HSV	133°, 36%, 67%
XYZ	24.5727, 33.8709, 23.9874
YIQ	147.2890, -20.9480, -27.8600

Conversions

Conversions Part 2

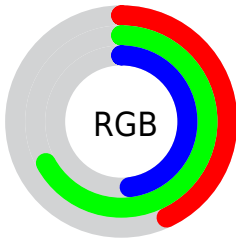
Format	Color
RYB	110, 160, 171
Decimal	7252859
CIELab	64.86, -30.01, 18.62
CIELCh	65, 35.319, 148.180
Yxy	33.8709, 0.2981, 0.4109
Android (android.graphics.Color)	4285442939 (0xFF6EAB7B)
YUV	147.2890, -11.9745, -32.7025
Hunter-Lab	58.1987, -26.4814, 16.3019

Details

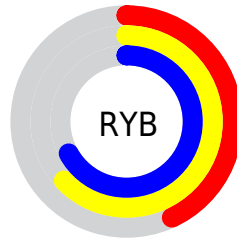
The Yxy color **33.8709, 0.2981, 0.4109** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.2864, 0.3320, 0.2592**, and the grayscale version is **29.3648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9653, 0.3018, 0.3933**, and **14.3811, 0.2915, 0.4404** is the 20% darker color. If you saturate the color by 10%, you get **32.5645, 0.2947, 0.4390**, and if you desaturate by 10%, it is **35.4381, 0.3020, 0.3848**.

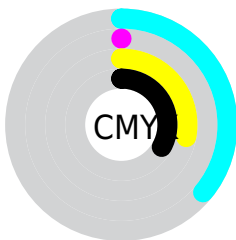
Distribution



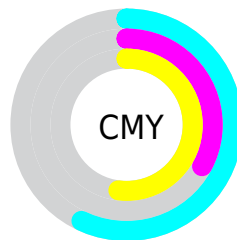
- Red (43%)
- Green (67%)
- Blue (48%)



- Red (43%)
- Yellow (63%)
- Blue (67%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (33%)





- Cyan (57%)
- Magenta (33%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8709, 0.2981, 0.4109 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 33.8709, 0.2981, 0.4109 by changing the saturation by 10% instead.

 33.8709, 0.2981,
0.4109


 33.8709, 0.2981,
0.4109


319.5560, 0.3068,
0.3658


 22.7944, 0.2953,
0.4237


 65.7329, 0.3017,
0.3934

 14.4418, 0.2913,
0.4413


 87.2871, 0.3029,
0.3871

 8.4286, 0.2851,
0.4666


 113.1028, 0.3039,
0.3820

 4.3704, 0.2746,
0.5060

 143.5643, 0.3047,
0.3777

 1.8828, 0.2594,
0.5878

179.0560, 0.3054,
0.3740

 0.5380, 0.0000,
1.0000

219.9622, 0.3059,

 0.0000, 0.0000,

0.3709

0.0000

266.6674, 0.3064,
0.3682

■ 33.8709, 0.2981,
0.4109

■ 33.8709, 0.2981,
0.4109

■ 32.5645, 0.2947,
0.4390

■ 35.4381, 0.3020,
0.3848

■ 31.5007, 0.2920,
0.4682

■ 37.2749, 0.3061,
0.3611

■ 30.6653, 0.2903,
0.4974


■ 39.3949, 0.3104,
0.3399

■ 30.0411, 0.2899,
0.5251


■ 41.8093, 0.3145,
0.3212


■ 29.6082, 0.2907,
0.5497


■ 44.5291, 0.3185,
0.3048

 29.3415, 0.2928,
0.5697

 47.5644, 0.3223,
0.2905

 29.2543, 0.2936,
0.5769

 50.9249, 0.3259,
0.2782

 54.6199, 0.3292,
0.2674

 56.9246, 0.3251,
0.2565

Harmonies

Analogous

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



33.8709, 0.3520, 0.4291



33.8709, 0.2981, 0.4109



33.8709, 0.2506, 0.3633

Triad

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



33.8709, 0.2981, 0.4109



33.8709, 0.2305, 0.2448



33.8709, 0.4135, 0.3365

Complementary

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



33.8709, 0.2981, 0.4109



22.2864, 0.3320, 0.2592

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.



33.8709, 0.3751, 0.2954



33.8709, 0.2981, 0.4109



33.8709, 0.2676, 0.2447

Square

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



33.8709, 0.2981, 0.4109



33.8709, 0.2144, 0.2659



33.8709, 0.3201, 0.2629



33.8709, 0.4213, 0.3792

Rectangle

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



33.8709, 0.2981, 0.4109



33.8709, 0.2285, 0.3258



33.8709, 0.3201, 0.2629



33.8709, 0.4036, 0.3223

Sweetspot

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



33.8723, 0.2981, 0.4109



68.3884, 0.3080, 0.3513



37.6019, 0.3531, 0.4197



15.1419, 0.3075, 0.3541



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.



33.8723, 0.2981, 0.4109



58.7326, 0.2953, 0.4335



34.7320, 0.2762, 0.3589



8.9662, 0.3088, 0.3473



22.0611, 0.2932, 0.5755



0.6215, 0.2776, 0.5194

Inverse Universe

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



22.2864, 0.3320, 0.2592



34.7863, 0.3377, 0.2437



21.3844, 0.3706, 0.3014



8.1184, 0.3169, 0.3113



7.8445, 0.3822, 0.1879



0.2254, 0.3604, 0.1759

Previews

White Background



This preview shows how the Yxy color 33.8709, 0.2981, 0.4109 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 33.8709, 0.2981, 0.4109 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 33.8709, 0.2981, 0.4109

Background



This preview shows how black text looks on a background with the Yxy color 33.8709, 0.2981, 0.4109.



This preview shows how white text looks on a background with the Yxy color 33.8709, 0.2981, 0.4109.

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

33.8709, 0.2981, 0.4109

Protanopia

33.3627, 0.3632, 0.3885

Deuteranopia

33.6106, 0.3694, 0.3631



Tritanopia

33.7902, 0.2658, 0.3087

Trichromacy



Original Color

33.8709, 0.2981, 0.4109

Protanomaly

33.0247, 0.3367, 0.3956

Deuteranomaly

33.0280, 0.3403, 0.3784

Tritanomaly

33.8537, 0.2777, 0.3451

Monochromacy



Original Color

33.8709, 0.2981, 0.4109

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.6802, 0.3074, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8709, 0.2981, 0.4109 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(110, 171, 123)` looks like.

```
.text, #text, p{  
    color:rgb(110, 171, 123)  
}
```

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(110, 171, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 171, 123) }
```

Border

The CSS property to change the border of an element to Yxy 33.8709, 0.2981, 0.4109 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(110, 171, 123) }
```

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

```
.border{ border-color:rgb(110, 171, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 171, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 171, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 171, 123);  
box-shadow:4px 4px 4px 4px rgb(110, 171,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8709, 0.2981, 0.4109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 171, 123) }
```

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

```
.background{ background-color: rgb(110,  
171, 123) }
```

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