

Converting Colors

$Yxy(33.6988, 0.3205, 0.4359)$

Have a look what the booklet for
Yxy(33.6988, 0.3205, 0.4359)
contains.

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Color

Yxy(33.8550, 0.3205, 0.4364)

Conversions

Conversions Part 1

Format	Color
Hex	79AA6A
RGB	121, 170, 106
RGB Percent	47%, 67%, 42%
CMY	0.5254, 0.3333, 0.5843
CMYK	0.29, 0.00, 0.38, 0.33
HSL	106°, 27%, 54%
HSV	106°, 38%, 67%
XYZ	24.8637, 33.8550, 18.8592
YIQ	148.0530, -8.6600, -30.2920

Conversions

Conversions Part 2

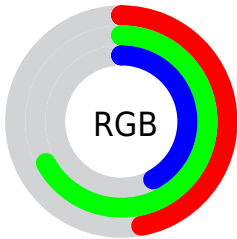
Format	Color
RYB	106, 170, 155
Decimal	7973482
CIELab	64.85, -28.70, 27.91
CIElCh	65, 40.034, 135.807
Yxy	33.8550, 0.3205, 0.4364
Android (android.graphics.Color)	4286163562 (0xFF79AA6A)
YUV	148.0530, -20.7321, -23.7255
Hunter-Lab	58.1850, -25.5470, 21.5122

Details

The Yxy color **33.8550, 0.3205, 0.4364** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **20.1762, 0.2991, 0.2328**, and the grayscale version is **29.7309, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.9753, 0.3202, 0.4139**, and **14.3302, 0.3191, 0.4739** is the 20% darker color. If you saturate the color by 10%, you get **32.6595, 0.3213, 0.4692**, and if you desaturate by 10%, it is **35.2503, 0.3190, 0.4046**.

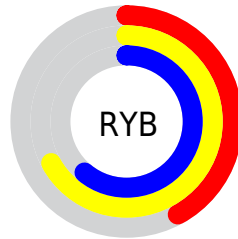
Distribution



Red (47%)

Green (67%)

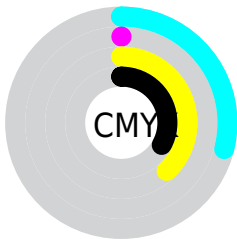
Blue (42%)



Red (42%)

Yellow (67%)

Blue (61%)

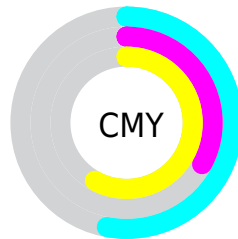


Cyan (29%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8550, 0.3205, 0.4364 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 33.8550, 0.3205, 0.4364 by changing the saturation by 10% instead.


 33.8550, 0.3205,
0.4364


 33.8550, 0.3205,
0.4364


319.4850, 0.3182,
0.3772

 22.7822, 0.3203,
0.4531


 65.7081, 0.3202,
0.4135

 14.4328, 0.3194,
0.4758


 87.2573, 0.3199,
0.4053

 8.4223, 0.3169,
0.5079


 113.0673, 0.3196,
0.3985

 4.3663, 0.3101,
0.5565

 143.5227, 0.3193,
0.3929

 1.8805, 0.3142,
0.6858

179.0077, 0.3190,
0.3881

 0.5366, 0.0000,
1.0000

219.9069, 0.3187,

 0.0000, 0.0000,

0.3839

0.0000

266.6045, 0.3184,
0.3803

■ 33.8550, 0.3205,
0.4364

■ 33.8550, 0.3205,
0.4364

■ 32.6595, 0.3213,
0.4692

■ 35.2503, 0.3190,
0.4046

■ 31.6503, 0.3212,
0.5017

■ 36.8495, 0.3169,
0.3749

■ 30.8187, 0.3200,
0.5318


■ 38.6623, 0.3146,
0.3478

■ 30.1539, 0.3176,
0.5576


■ 40.6962, 0.3121,
0.3235


■ 29.6435, 0.3142,
0.5771

■ 42.9585, 0.3096,
0.3020


 29.2709, 0.3102,
0.5900

 45.4560, 0.3071,
0.2830

 29.1985, 0.3094,
0.5925

 48.1954, 0.3047,
0.2663

 51.1829, 0.3024,
0.2518

 54.1646, 0.3032,
0.2425

Harmonies

Analogous

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



33.8550, 0.3795, 0.4392



33.8550, 0.3205, 0.4364



33.8550, 0.2624, 0.3935

Triad

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



33.8550, 0.3205, 0.4364



33.8550, 0.2103, 0.2411



33.8550, 0.4127, 0.3170

Complementary

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



33.8550, 0.3205, 0.4364



20.1762, 0.2991, 0.2328

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.



33.8550, 0.3584, 0.2747



33.8550, 0.3205, 0.4364



33.8550, 0.2421, 0.2322

Square

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



33.8550, 0.3205, 0.4364



33.8550, 0.2028, 0.2740



33.8550, 0.2948, 0.2446



33.8550, 0.4366, 0.3646

Rectangle

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



33.8550, 0.3205, 0.4364



33.8550, 0.2320, 0.3513



33.8550, 0.2948, 0.2446



33.8550, 0.3971, 0.3020

Sweetspot

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



33.8564, 0.3205, 0.4364



68.9358, 0.3155, 0.3572



32.6975, 0.3759, 0.3999



15.2760, 0.3158, 0.3607



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.



33.8564, 0.3205, 0.4364



59.6295, 0.3212, 0.4632



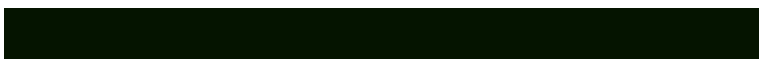
33.2184, 0.2956, 0.4120



8.4896, 0.3150, 0.3521



21.5009, 0.3100, 0.5921



0.5454, 0.3335, 0.5734

Inverse Universe

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



20.1762, 0.2991, 0.2328



31.2513, 0.2950, 0.2119



21.1870, 0.3363, 0.2585



7.5766, 0.3102, 0.3065



5.6576, 0.2631, 0.1223



0.1587, 0.2834, 0.1335

Previews

White Background



This preview shows how the Yxy color 33.8550, 0.3205, 0.4364 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 33.8550, 0.3205, 0.4364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

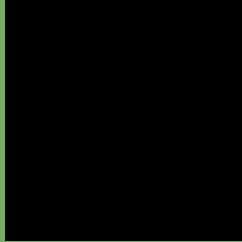
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8550, 0.3205, 0.4364

Background



This preview shows how black text looks on a background with the Yxy color 33.8550, 0.3205, 0.4364.



This preview shows how white text looks on a background with the Yxy color 33.8550, 0.3205, 0.4364.

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

33.8550, 0.3205, 0.4364

Protanopia

33.7115, 0.3801, 0.4107

Deuteranopia

33.5033, 0.3927, 0.3845



Tritanopia

33.9224, 0.2763, 0.3091

Trichromacy



Original Color

33.8550, 0.3205, 0.4364

Protanomaly

33.5922, 0.3567, 0.4204

Deuteranomaly

33.0046, 0.3641, 0.4016

Tritanomaly

33.7794, 0.2927, 0.3530

Monochromacy



Original Color

33.8550, 0.3205, 0.4364

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.8737, 0.3159, 0.3666

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8550, 0.3205, 0.4364 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(121, 170, 106)` looks like.

```
.text, #text, p{  
    color:rgb(121, 170, 106)  
}
```

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(121, 170, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 170, 106) }
```

Border

The CSS property to change the border of an element to Yxy 33.8550, 0.3205, 0.4364 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(121, 170, 106) }
```

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

```
.border{ border-color:rgb(121, 170, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 170, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 170, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 170, 106);  
box-shadow:4px 4px 4px 4px rgb(121, 170,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8550, 0.3205, 0.4364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 170, 106) }
```

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

```
.background{ background-color: rgb(121,  
170, 106) }
```

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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