

Converting Colors

$Yxy(33.3498, 0.3564, 0.4011)$

Have a look what the booklet for
Yxy(33.3498, 0.3564, 0.4011)
contains.

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Color

Yxy(33.3371, 0.3562, 0.4009)

Conversions

Conversions Part 1

Format	Color
Hex	9F9F70
RGB	159, 159, 112
RGB Percent	62%, 62%, 44%
CMY	0.3765, 0.3764, 0.5608
CMYK	0.00, 0.00, 0.30, 0.38
HSL	60°, 20%, 53%
HSV	60°, 30%, 62%
XYZ	29.6200, 33.3371, 20.1985
YIQ	153.6420, 15.0870, -14.6170

Conversions

Conversions Part 2

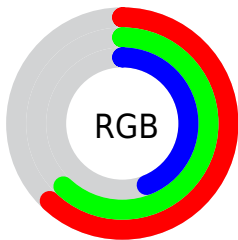
Format	Color
RYB	112, 159, 112
Decimal	10461040
CIELab	64.43, -7.70, 24.61
CIELCh	64, 25.791, 107.381
Yxy	33.3371, 0.3562, 0.4009
Android (android.graphics.Color)	4288651120 (0xFF9F9F70)
YUV	153.6420, -20.5295, 4.6990
Hunter-Lab	57.7383, -9.4706, 19.6755

Details

The Yxy color **33.3371, 0.3562, 0.4009** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **17.5332, 0.2621, 0.2453**, and the grayscale version is **32.2366, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0696, 0.3478, 0.3870**, and **14.2211, 0.3685, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **33.0149, 0.3705, 0.4245**, and if you desaturate by 10%, it is **33.7248, 0.3414, 0.3764**.

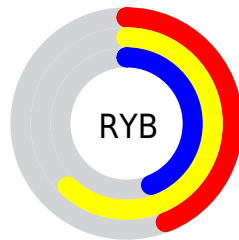
Distribution



Red (62%)

Green (62%)

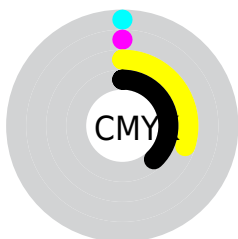
Blue (44%)



Red (44%)

Yellow (62%)

Blue (44%)

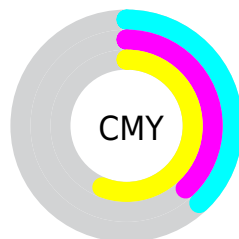


Cyan (0%)

Magenta (0%)

Yellow (30%)

Black (38%)



Cyan (38%)


Magenta (38%)


Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3371, 0.3562, 0.4009 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 33.3371, 0.3562, 0.4009 by changing the saturation by 10% instead.

 33.3371, 0.3562,
0.4009

 33.3371, 0.3562,
0.4009


317.1660, 0.3338,
0.3625


 22.3848, 0.3618,
0.4112


 64.9015, 0.3480,
0.3864

 14.1399, 0.3690,
0.4249


 86.2823, 0.3449,
0.3811

 8.2181, 0.3784,
0.4436


 111.9082, 0.3424,
0.3767

 4.2348, 0.3906,
0.4707

 142.1634, 0.3402,
0.3730

 1.8058, 0.4396,
0.5546

177.4324, 0.3383,
0.3698

 0.4908, 0.3619,
0.6381

218.0996, 0.3366,

 0.0000, 0.0000,

0.3671

0.0000

264.5493, 0.3351,
0.3647

■ 33.3371, 0.3562,
0.4009

■ 33.3371, 0.3562,
0.4009

■ 33.0149, 0.3705,
0.4245

■ 33.7248, 0.3414,
0.3764

■ 32.7505, 0.3837,
0.4464

■ 34.1766, 0.3266,
0.3519

■ 32.5418, 0.3953,
0.4656

■ 34.6969, 0.3121,
0.3280

■ 32.3847, 0.4049,
0.4814

■ 35.2883, 0.2983,
0.3052

■ 32.2748, 0.4120,
0.4931

■ 35.9534, 0.2853,
0.2837

■ 32.2069, 0.4166,
0.5008

■ 36.6945, 0.2733,
0.2639

■ 32.1689, 0.4192,
0.5051

■ 37.5140, 0.2623,
0.2456

■ 32.1674, 0.4193,
0.5053

■ 38.4142, 0.2523,
0.2290

■ 39.3911, 0.2432,
0.2141

Harmonies

Analogous

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



33.3371, 0.3845, 0.3854



33.3371, 0.3562, 0.4009



33.3371, 0.3173, 0.3953

Triad

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



33.3371, 0.3562, 0.4009



33.3371, 0.2384, 0.2929



33.3371, 0.3450, 0.2941

Complementary

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



33.3371, 0.3562, 0.4009



17.5332, 0.2621, 0.2453

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.



33.3371, 0.3039, 0.2725



33.3371, 0.3562, 0.4009



33.3371, 0.2445, 0.2702

Square

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



33.3371, 0.3562, 0.4009



33.3371, 0.2505, 0.3287



33.3371, 0.2677, 0.2637



33.3371, 0.3785, 0.3242

Rectangle

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



33.3371, 0.3562, 0.4009



33.3371, 0.2909, 0.3789



33.3371, 0.2677, 0.2637



33.3371, 0.3315, 0.2857

Sweetspot

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



33.3386, 0.3562, 0.4009



61.2373, 0.3260, 0.3509



20.1265, 0.3764, 0.3292



13.7789, 0.3280, 0.3543



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.3386, 0.3562, 0.4009



59.3355, 0.3650, 0.4155



31.1599, 0.3317, 0.4070



7.7203, 0.3261, 0.3511



25.4049, 0.4193, 0.5053



0.4543, 0.4193, 0.5053

Inverse Universe

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



17.5332, 0.2621, 0.2453



26.6948, 0.2498, 0.2249



19.2810, 0.2882, 0.2512



6.4353, 0.2987, 0.3059



1.9772, 0.1500, 0.0600



0.0354, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 33.3371, 0.3562, 0.4009 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 33.3371, 0.3562, 0.4009 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

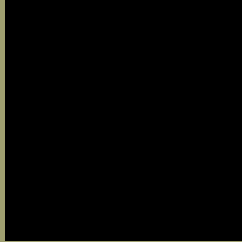
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3371, 0.3562, 0.4009

Background



This preview shows how black text looks on a background with the Yxy color 33.3371, 0.3562, 0.4009.



This preview shows how white text looks on a background with the Yxy color 33.3371, 0.3562, 0.4009.

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

33.3371, 0.3562, 0.4009

Protanopia

33.2495, 0.3680, 0.3959

Deuteranopia

33.3419, 0.3864, 0.3795



Tritanopia

33.1361, 0.3145, 0.3116

Trichromacy



Original Color

33.3371, 0.3562, 0.4009

Protanomaly

33.2610, 0.3643, 0.3981

Deuteranomaly

33.2048, 0.3761, 0.3869

Tritanomaly

33.2736, 0.3301, 0.3440

Monochromacy



Original Color

33.3371, 0.3562, 0.4009

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.7089, 0.3285, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3371, 0.3562, 0.4009 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(159, 159, 112)` looks like.

```
.text, #text, p{  
    color:rgb(159, 159, 112)  
}
```

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(159, 159, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 159, 112) }
```

Border

The CSS property to change the border of an element to Yxy 33.3371, 0.3562, 0.4009 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(159, 159, 112) }
```

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

```
.border{ border-color:rgb(159, 159, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 159, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 159, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 159, 112); box-shadow:4px 4px 4px 4px rgb(159, 159, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3371, 0.3562, 0.4009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 159, 112) }
```

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

```
.background{ background-color: rgb(159,  
159, 112) }
```

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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