

Converting Colors

$Y_{xy}(33.3491, 0.3435, 0.3651)$

Have a look what the booklet for
Yxy(33.3491, 0.3435, 0.3651)
contains.

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Color

Yxy(33.3354, 0.3435, 0.3651)

Conversions

Conversions Part 1

Format	Color
Hex	A49C84
RGB	164, 156, 132
RGB Percent	64%, 61%, 52%
CMY	0.3568, 0.3882, 0.4824
CMYK	0.00, 0.05, 0.20, 0.36
HSL	45°, 15%, 58%
HSV	45°, 20%, 64%
XYZ	31.3632, 33.3354, 26.6062
YIQ	155.6560, 12.4720, -5.7680

Conversions

Conversions Part 2

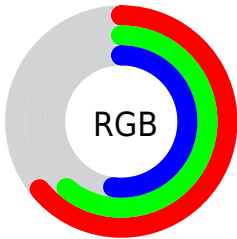
Format	Color
RYB	143, 164, 132
Decimal	10787972
CIELab	64.43, -1.18, 13.64
CIELCh	64, 13.689, 94.924
Yxy	33.3354, 0.3435, 0.3651
Android (android.graphics.Color)	4288978052 (0xFFA49C84)
YUV	155.6560, -11.6624, 7.3177
Hunter-Lab	57.7368, -4.0764, 13.0938

Details

The Yxy color **33.3354, 0.3435, 0.3651** is a light color, and the websafe version is hex **999999**. A complement of this color would be **26.3382, 0.2819, 0.2901**, and the grayscale version is **33.1338, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6560, 0.3374, 0.3575**, and **14.1571, 0.3542, 0.3782** is the 20% darker color. If you saturate the color by 10%, you get **31.5701, 0.3610, 0.3843**, and if you desaturate by 10%, it is **35.2207, 0.3271, 0.3463**.

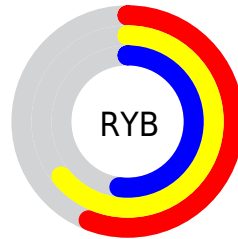
Distribution



Red (64%)

Green (61%)

Blue (52%)



Red (56%)

Yellow (64%)

Blue (52%)

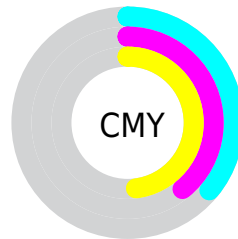


Cyan (0%)

Magenta (5%)

Yellow (20%)

Black (36%)



Cyan (36%)


Magenta (39%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3354, 0.3435, 0.3651 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 33.3354, 0.3435, 0.3651 by changing the saturation by 10% instead.


 33.3354, 0.3435,
0.3651


 33.3354, 0.3435,
0.3651


317.1584, 0.3273,
0.3460


 22.3835, 0.3478,
0.3702


 64.8988, 0.3374,
0.3579

 14.1390, 0.3535,
0.3770


 86.2791, 0.3352,
0.3553

 8.2174, 0.3614,
0.3864


 111.9044, 0.3333,
0.3531

 4.2344, 0.3728,
0.4003

142.1589, 0.3318,
0.3512

 1.8055, 0.3919,
0.4236

177.4272, 0.3304,
0.3497

 0.4906, 0.4715,
0.5285

218.0936, 0.3292,

 0.0000, 0.0000,

0.3483

0.0000

264.5425, 0.3282,
0.3471

■ 33.3354, 0.3435,
0.3651

■ 33.3354, 0.3435,
0.3651

■ 31.5701, 0.3610,
0.3843

■ 35.2207, 0.3271,
0.3463

■ 29.9165, 0.3792,
0.4032

■ 37.2251, 0.3120,
0.3282

■ 28.3723, 0.3977,
0.4211

■ 39.3533, 0.2982,
0.3111

■ 26.9329, 0.4159,
0.4371

■ 41.6086, 0.2858,
0.2951

■ 25.5937, 0.4329,
0.4500

■ 43.9939, 0.2745,
0.2804

■ 24.3494, 0.4480,
0.4590

■ 46.5122, 0.2644,
0.2668

■ 23.1936, 0.4605,
0.4635

■ 49.1663, 0.2554,
0.2544

■ 22.1137, 0.4706,
0.4641

■ 51.4199, 0.2516,
0.2511

■ 22.0633, 0.4711,
0.4641

■ 53.2058, 0.2523,
0.2561

Harmonies

Analogous

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



33.3354, 0.3541, 0.3545



33.3354, 0.3435, 0.3651



33.3354, 0.3248, 0.3659

Triad

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



33.3354, 0.3435, 0.3651



33.3354, 0.2738, 0.3179



33.3354, 0.3213, 0.3042

Complementary

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



33.3354, 0.3435, 0.3651



26.3382, 0.2819, 0.2901

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.



33.3354, 0.2997, 0.2948



33.3354, 0.3435, 0.3651



33.3354, 0.2729, 0.3020

Square

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



33.3354, 0.3435, 0.3651



33.3354, 0.2847, 0.3379



33.3354, 0.2822, 0.2939



33.3354, 0.3411, 0.3196

Rectangle

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



33.3354, 0.3435, 0.3651



33.3354, 0.3104, 0.3603



33.3354, 0.2822, 0.2939



33.3354, 0.3140, 0.3003

Sweetspot

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



33.3369, 0.3435, 0.3651



65.1423, 0.3218, 0.3400



26.2855, 0.3410, 0.3168



14.1938, 0.3228, 0.3411



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.3369, 0.3435, 0.3651



59.2287, 0.3502, 0.3726



35.2866, 0.3334, 0.3777



7.9360, 0.3267, 0.3458



16.9940, 0.4705, 0.4646



0.4250, 0.4486, 0.4820

Inverse Universe

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



26.3382, 0.2819, 0.2901



44.3993, 0.2751, 0.2812



24.7545, 0.2893, 0.2779



7.1343, 0.2987, 0.3117



3.3367, 0.1588, 0.0917



0.1400, 0.1775, 0.1589

Previews

White Background



This preview shows how the Yxy color 33.3354, 0.3435, 0.3651 looks on a white background.

Color Contrast Check

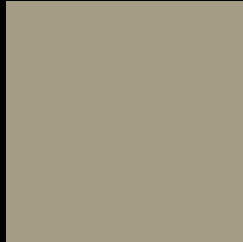
Large Text (above 18pt) WCAG AA × Fail

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 33.3354, 0.3435, 0.3651 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

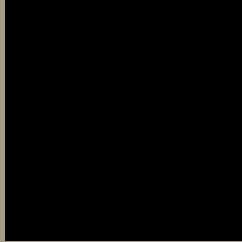
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3354, 0.3435, 0.3651

Background



This preview shows how black text looks on a background with the Yxy color 33.3354, 0.3435, 0.3651.



This preview shows how white text looks on a background with the Yxy color 33.3354, 0.3435, 0.3651.

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

33.3354, 0.3435, 0.3651

Protanopia

33.4422, 0.3445, 0.3650

Deuteranopia

33.0899, 0.3603, 0.3534



Tritanopia

33.4256, 0.3185, 0.3132

Trichromacy



Original Color

33.3354, 0.3435, 0.3651

Protanomaly

33.4422, 0.3445, 0.3650

Deuteranomaly

33.1486, 0.3543, 0.3567

Tritanomaly

33.2650, 0.3278, 0.3305

Monochromacy



Original Color

33.3354, 0.3435, 0.3651

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.2544, 0.3240, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3354, 0.3435, 0.3651 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(164, 156, 132)` looks like.

```
.text, #text, p{  
    color:rgb(164, 156, 132)  
}
```

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(164, 156, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 156, 132) }
```

Border

The CSS property to change the border of an element to Yxy 33.3354, 0.3435, 0.3651 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(164, 156, 132) }
```

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

```
.border{ border-color:rgb(164, 156, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 156, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 156, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 156, 132);  
box-shadow:4px 4px 4px 4px rgb(164, 156,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3354, 0.3435, 0.3651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 156, 132) }
```

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

```
.background{ background-color: rgb(164,  
156, 132) }
```

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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