

Converting Colors

$Yxy(33.5360, 0.3001, 0.4223)$

Have a look what the booklet for
Yxy(33.5360, 0.3001, 0.4223)
contains.

Yxy(33.5360, 0.3001, 0.4223)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5360, 0.3001, 0.4223)

Conversions

Conversions Part 1

Format	Color
Hex	6BAB75
RGB	107, 171, 117
RGB Percent	42%, 67%, 46%
CMY	0.5806, 0.3294, 0.5412
CMYK	0.37, 0.00, 0.32, 0.33
HSL	129°, 28%, 55%
HSV	129°, 37%, 67%
XYZ	23.8318, 33.5360, 22.0450
YIQ	145.7080, -20.8100, -30.3620

Conversions

Conversions Part 2

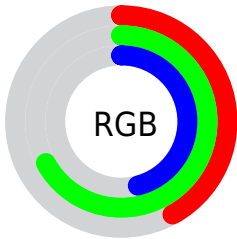
Format	Color
RYB	107, 162, 171
Decimal	7056245
CIELab	64.59, -32.09, 21.51
CIELCh	65, 38.636, 146.164
Yxy	33.5360, 0.3001, 0.4223
Android (android.graphics.Color)	4285246325 (0xFF6BAB75)
YUV	145.7080, -14.1530, -33.9469
Hunter-Lab	57.9103, -27.8850, 17.9670

Details

The Yxy color **33.5360, 0.3001, 0.4223** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.7347, 0.3288, 0.2510**, and the grayscale version is **28.6796, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3798, 0.3040, 0.4029**, and **14.1864, 0.2934, 0.4575** is the 20% darker color. If you saturate the color by 10%, you get **32.2674, 0.2973, 0.4526**, and if you desaturate by 10%, it is **35.0692, 0.3033, 0.3938**.

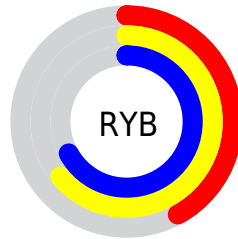
Distribution



Red (42%)

Green (67%)

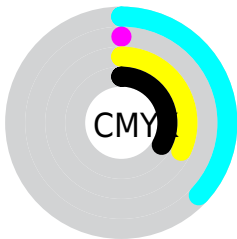
Blue (46%)



Red (42%)

Yellow (64%)

Blue (67%)

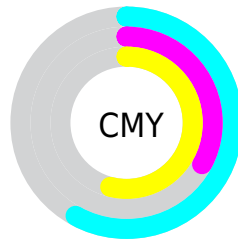


Cyan (37%)

Magenta (0%)

Yellow (32%)

Black (33%)



Cyan (58%)


Magenta (33%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5360, 0.3001, 0.4223 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 33.5360, 0.3001, 0.4223 by changing the saturation by 10% instead.


 33.5360, 0.3001,
0.4223


 33.5360, 0.3001,
0.4223


318.0581, 0.3081,
0.3706


 22.5374, 0.2974,
0.4371


 65.2115, 0.3035,
0.4022

 14.2523, 0.2933,
0.4573


 86.6571, 0.3046,
0.3950

 8.2963, 0.2869,
0.4866

 112.3538, 0.3055,
0.3892

 4.2852, 0.2754,
0.5321

 142.6861, 0.3062,
0.3842

 1.8343, 0.2647,
0.6456

178.0382, 0.3068,
0.3801

 0.5084, 0.0000,
1.0000

218.7947, 0.3073,

 0.0000, 0.0000,

0.3765

0.0000

265.3399, 0.3077,
0.3733

■ 33.5360, 0.3001,
0.4223

■ 33.5360, 0.3001,
0.4223

■ 32.2674, 0.2973,
0.4526

■ 35.0692, 0.3033,
0.3938

■ 31.2445, 0.2951,
0.4837

■ 36.8765, 0.3067,
0.3678

■ 30.4522, 0.2937,
0.5140


■ 38.9719, 0.3102,
0.3446


■ 29.8724, 0.2934,
0.5417

■ 41.3673, 0.3136,
0.3241

■ 29.4839, 0.2942,
0.5649


■ 44.0740, 0.3168,
0.3061

 29.2551, 0.2958,
0.5823

 47.1025, 0.3198,
0.2905

 29.2092, 0.2961,
0.5859

 50.4631, 0.3227,
0.2770

 54.1654, 0.3253,
0.2654

 57.0913, 0.3230,
0.2541

Harmonies

Analogous

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



33.5360, 0.3589, 0.4391



33.5360, 0.3001, 0.4223



33.5360, 0.2476, 0.3708

Triad

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



33.5360, 0.3001, 0.4223



33.5360, 0.2213, 0.2381



33.5360, 0.4215, 0.3333

Complementary

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



33.5360, 0.3001, 0.4223



21.7347, 0.3288, 0.2510

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.



33.5360, 0.3773, 0.2895



33.5360, 0.3001, 0.4223



33.5360, 0.2599, 0.2369

Square

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



33.5360, 0.3001, 0.4223



33.5360, 0.2056, 0.2621



33.5360, 0.3164, 0.2554



33.5360, 0.4322, 0.3797

Rectangle

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



33.5360, 0.3001, 0.4223



33.5360, 0.2229, 0.3291



33.5360, 0.3164, 0.2554



33.5360, 0.4099, 0.3181

Sweetspot

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



33.5374, 0.3001, 0.4223



68.3236, 0.3089, 0.3529



37.8102, 0.3582, 0.4234



15.1260, 0.3084, 0.3560



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.



33.5374, 0.3001, 0.4223



58.1276, 0.2977, 0.4475



34.4099, 0.2769, 0.3662



8.9591, 0.3095, 0.3487



22.0209, 0.2957, 0.5846



0.6187, 0.2828, 0.5382

Inverse Universe

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



21.7347, 0.3288, 0.2510



33.8945, 0.3333, 0.2344



20.7577, 0.3702, 0.2952



8.1262, 0.3160, 0.3101



8.0550, 0.3642, 0.1780



0.2298, 0.3492, 0.1697

Previews

White Background



This preview shows how the Yxy color 33.5360, 0.3001, 0.4223 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 33.5360, 0.3001, 0.4223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

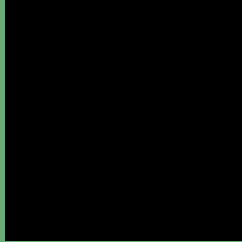
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5360, 0.3001, 0.4223

Background



This preview shows how black text looks on a background with the Yxy color 33.5360, 0.3001, 0.4223.



This preview shows how white text looks on a background with the Yxy color 33.5360, 0.3001, 0.4223.

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

33.5360, 0.3001, 0.4223

Protanopia

33.2276, 0.3690, 0.3974

Deuteranopia

33.1629, 0.3749, 0.3688



Tritanopia

33.2906, 0.2641, 0.3070

Trichromacy



Original Color

33.5360, 0.3001, 0.4223

Protanomaly

32.7930, 0.3410, 0.4055

Deuteranomaly

32.7783, 0.3449, 0.3880

Tritanomaly

33.2838, 0.2775, 0.3469

Monochromacy



Original Color

33.5360, 0.3001, 0.4223

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

30.0975, 0.3082, 0.3622

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5360, 0.3001, 0.4223 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(107, 171, 117)` looks like.

```
.text, #text, p{  
    color:rgb(107, 171, 117)  
}
```

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(107, 171, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 171, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.5360, 0.3001, 0.4223 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(107, 171, 117) }
```

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

```
.border{ border-color:rgb(107, 171, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 171, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 171, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 171, 117);  
box-shadow:4px 4px 4px 4px rgb(107, 171,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5360, 0.3001, 0.4223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 171, 117) }
```

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

```
.background{ background-color: rgb(107,  
171, 117) }
```

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