

Converting Colors

$Yxy(33.3043, 0.2648, 0.4096)$

Have a look what the booklet for
Yxy(33.3043, 0.2648, 0.4096)
contains.

Yxy(33.4299, 0.2652, 0.4103)	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(33.4299, 0.2652, 0.4103)

Conversions

Conversions Part 1

Format	Color
Hex	42AF82
RGB	66, 175, 130
RGB Percent	26%, 69%, 51%
CMY	0.7411, 0.3137, 0.4901
CMYK	0.62, 0.00, 0.26, 0.31
HSL	155°, 45%, 47%
HSV	155°, 62%, 69%
XYZ	21.6076, 33.4299, 26.4392
YIQ	137.2790, -50.5190, -37.1030

Conversions

Conversions Part 2

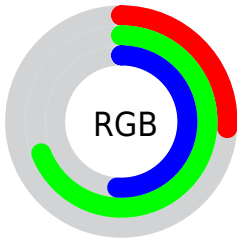
Format	Color
RYB	66, 135, 175
Decimal	4370306
CIELab	64.51, -41.86, 14.03
CIElCh	65, 44.145, 161.467
Yxy	33.4299, 0.2652, 0.4103
Android (android.graphics.Color)	4282560386 (0xFF42AF82)
YUV	137.2790, -3.5885, -62.5117
Hunter-Lab	57.8186, -34.4746, 13.3610

Details

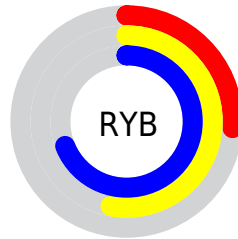
The Yxy color **33.4299, 0.2652, 0.4103** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.1600, 0.4225, 0.2659**, and the grayscale version is **25.1581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8558, 0.2750, 0.3926**, and **14.5131, 0.2551, 0.4385** is the 20% darker color. If you saturate the color by 10%, you get **32.7262, 0.2622, 0.4262**, and if you desaturate by 10%, it is **34.3359, 0.2700, 0.3948**.

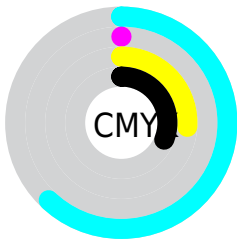
Distribution



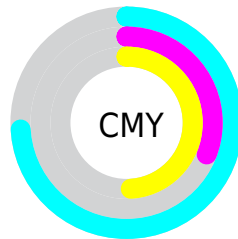
- Red (26%)
- Green (69%)
- Blue (51%)



- Red (26%)
- Yellow (53%)
- Blue (69%)



- Cyan (62%)
- Magenta (0%)
- Yellow (26%)
- Black (31%)





- Cyan (74%)
- Magenta (31%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4299, 0.2652, 0.4103 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 33.4299, 0.2652, 0.4103 by changing the saturation by 10% instead.


 33.4299, 0.2652,
0.4103

 33.4299, 0.2652,
0.4103


317.5825, 0.2912,
0.3653


 22.4560, 0.2579,
0.4232


 65.0461, 0.2752,
0.3928

 14.1923, 0.2479,
0.4409


 86.4572, 0.2788,
0.3866

 8.2546, 0.2337,
0.4665


 112.1162, 0.2818,
0.3815

 4.2583, 0.2117,
0.5068

 142.4074, 0.2843,
0.3772

 1.8191, 0.1633,
0.5884

 177.7152, 0.2864,
0.3735

 0.4990, 0.0000,
1.0000

218.4241, 0.2882,

 0.0000, 0.0000,

0.3704

0.0000

264.9183, 0.2898,
0.3677

■ 33.4299, 0.2652,
0.4103

■ 33.4299, 0.2652,
0.4103

■ 32.7262, 0.2622,
0.4262

■ 34.3359, 0.2700,
0.3948

■ 32.2028, 0.2612,
0.4421

■ 35.4557, 0.2762,
0.3801

■ 31.8399, 0.2621,
0.4579

■ 36.8048, 0.2837,
0.3662

■ 31.6349, 0.2638,
0.4698

■ 38.3959, 0.2921,
0.3535

■ 40.2409, 0.3012,
0.3418

■ 42.3509, 0.3106,
0.3312

■ 44.7362, 0.3201,
0.3218

■ 47.4067, 0.3296,
0.3135

■ 50.3716, 0.3389,
0.3061

Harmonies

Analogous

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



33.4299, 0.3301, 0.4523



33.4299, 0.2652, 0.4103



33.4299, 0.2164, 0.3394

Triad

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



33.4299, 0.2652, 0.4103



33.4299, 0.2286, 0.2231



33.4299, 0.4485, 0.3591

Complementary

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



33.4299, 0.2652, 0.4103



14.1600, 0.4225, 0.2659

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.



33.4299, 0.4164, 0.3080



33.4299, 0.2652, 0.4103



33.4299, 0.2831, 0.2337

Square

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



33.4299, 0.2652, 0.4103



33.4299, 0.1980, 0.2358



33.4299, 0.3528, 0.2638



33.4299, 0.4385, 0.4096

Rectangle

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



33.4299, 0.2652, 0.4103



33.4299, 0.1981, 0.2942



33.4299, 0.3528, 0.2638



33.4299, 0.4424, 0.3417

Sweetspot

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



33.4312, 0.2652, 0.4103



69.6912, 0.2948, 0.3499



34.4610, 0.3372, 0.5069



15.2933, 0.2923, 0.3533



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.4312, 0.2652, 0.4103



58.1970, 0.2616, 0.4326



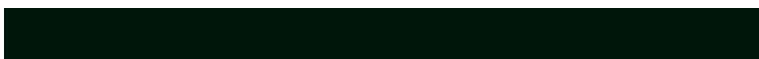
31.4968, 0.2349, 0.3134



9.0153, 0.3039, 0.3385



22.6671, 0.2633, 0.4680



0.6411, 0.2503, 0.4209

Inverse Universe

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



14.1600, 0.4225, 0.2659



20.7552, 0.4628, 0.2600



14.5530, 0.4975, 0.3417



8.0681, 0.3224, 0.3197



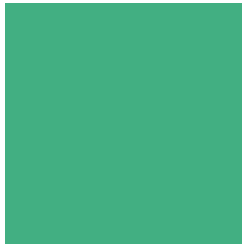
6.8757, 0.5288, 0.2686



0.2023, 0.4509, 0.2258

Previews

White Background



This preview shows how the Yxy color 33.4299, 0.2652, 0.4103 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 33.4299, 0.2652, 0.4103 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 33.4299, 0.2652, 0.4103

Background



This preview shows how black text looks on a background with the Yxy color 33.4299, 0.2652, 0.4103.



This preview shows how white text looks on a background with the Yxy color 33.4299, 0.2652, 0.4103.

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

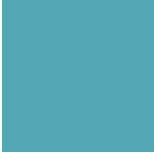
33.4299, 0.2652, 0.4103

Protanopia

32.9302, 0.3566, 0.3801

Deuteranopia

32.9374, 0.3550, 0.3493



Tritanopia

33.2675, 0.2402, 0.3061

Trichromacy



Original Color

33.4299, 0.2652, 0.4103



Protanomaly

32.0417, 0.3153, 0.3922



Deuteranomaly

31.8359, 0.3137, 0.3696



Tritanomaly

33.3479, 0.2488, 0.3424

Monochromacy



Original Color

33.4299, 0.2652, 0.4103



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.2340, 0.2892, 0.3592

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4299, 0.2652, 0.4103 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(66, 175, 130)` looks like.

```
.text, #text, p{  
    color:rgb(66, 175, 130)  
}
```

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(66, 175, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 175, 130) }
```

Border

The CSS property to change the border of an element to Yxy 33.4299, 0.2652, 0.4103 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(66, 175, 130) }
```

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

```
.border{ border-color:rgb(66, 175, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 175, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 175, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 175, 130);  
box-shadow:4px 4px 4px 4px rgb(66, 175,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4299, 0.2652, 0.4103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 175, 130) }
```

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

```
.background{ background-color: rgb(66, 175,  
130) }
```

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