

Converting Colors

$Yxy(33.5139, 0.2897, 0.3957)$

Have a look what the booklet for
Yxy(33.5139, 0.2897, 0.3957)
contains.

Yxy(33.5139, 0.2897, 0.3957)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.5139, 0.2897, 0.3957)

Conversions

Conversions Part 1

Format	Color
Hex	6BAA83
RGB	107, 170, 131
RGB Percent	42%, 67%, 51%
CMY	0.5803, 0.3333, 0.4863
CMYK	0.37, 0.00, 0.23, 0.33
HSL	143°, 27%, 54%
HSV	143°, 37%, 67%
XYZ	24.5362, 33.5139, 26.6451
YIQ	146.7170, -25.0290, -25.4850

Conversions

Conversions Part 2

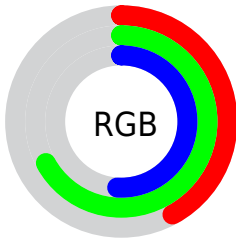
Format	Color
RYB	107, 153, 170
Decimal	7056003
CIELab	64.57, -28.94, 13.82
CIELCh	65, 32.072, 154.466
Yxy	33.5139, 0.2897, 0.3957
Android (android.graphics.Color)	4285246083 (0xFF6BAA83)
YUV	146.7170, -7.7485, -34.8318
Hunter-Lab	57.8912, -25.6554, 13.2349

Details

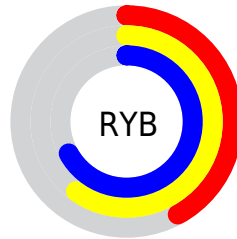
The Yxy color **33.5139, 0.2897, 0.3957** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **21.1424, 0.3464, 0.2709**, and the grayscale version is **29.0972, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3270, 0.2945, 0.3821**, and **14.1574, 0.2816, 0.4207** is the 20% darker color. If you saturate the color by 10%, you get **32.2917, 0.2848, 0.4178**, and if you desaturate by 10%, it is **34.9750, 0.2954, 0.3752**.

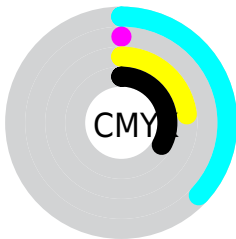
Distribution



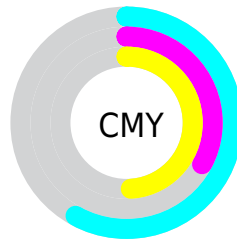
- Red (42%)
- Green (67%)
- Blue (51%)



- Red (42%)
- Yellow (60%)
- Blue (67%)



- Cyan (37%)
- Magenta (0%)
- Yellow (23%)
- Black (33%)





- Cyan (58%)
- Magenta (33%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5139, 0.2897, 0.3957 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 33.5139, 0.2897, 0.3957 by changing the saturation by 10% instead.


 33.5139, 0.2897,
0.3957


 33.5139, 0.2897,
0.3957


317.9591, 0.3025,
0.3591

 22.5204, 0.2860,
0.4061


 65.1770, 0.2947,
0.3815


 14.2398, 0.2808,
0.4203


 86.6155, 0.2965,
0.3765

 8.2876, 0.2733,
0.4408


 112.3043, 0.2980,
0.3723

 4.2795, 0.2612,
0.4728

 142.6280, 0.2992,
0.3688

 1.8311, 0.2398,
0.5310

177.9710, 0.3002,
0.3658

 0.5065, 0.0000,
1.0000

218.7175, 0.3011,

 0.0000, 0.0000,

0.3633

0.0000

265.2521, 0.3019,
0.3610

■ 33.5139, 0.2897,
0.3957

■ 33.5139, 0.2897,
0.3957

■ 32.2917, 0.2848,
0.4178

■ 34.9750, 0.2954,
0.3752

■ 31.2913, 0.2810,
0.4410

■ 36.6830, 0.3016,
0.3565

■ 30.4996, 0.2786,
0.4649


■ 38.6503, 0.3081,
0.3397


■ 29.9005, 0.2779,
0.4885


■ 40.8876, 0.3146,
0.3248


■ 29.4755, 0.2790,
0.5110

■ 43.4047, 0.3211,
0.3116


 29.1971, 0.2817,
0.5315

 46.2109, 0.3274,
0.3000

 29.1279, 0.2826,
0.5372

 49.3153, 0.3334,
0.2898

 52.7264, 0.3392,
0.2810

 55.4874, 0.3404,
0.2725

Harmonies

Analogous

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



33.5139, 0.3390, 0.4189



33.5139, 0.2897, 0.3957



33.5139, 0.2487, 0.3497

Triad

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



33.5139, 0.2897, 0.3957



33.5139, 0.2429, 0.2501



33.5139, 0.4085, 0.3448

Complementary

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



33.5139, 0.2897, 0.3957



21.1424, 0.3464, 0.2709

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.



33.5139, 0.3787, 0.3059



33.5139, 0.2897, 0.3957



33.5139, 0.2808, 0.2536

Square

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



33.5139, 0.2897, 0.3957



33.5139, 0.2236, 0.2658



33.5139, 0.3306, 0.2735



33.5139, 0.4096, 0.3833

Rectangle

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



33.5139, 0.2897, 0.3957



33.5139, 0.2310, 0.3162



33.5139, 0.3306, 0.2735



33.5139, 0.4014, 0.3315

Sweetspot

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



33.5153, 0.2897, 0.3957



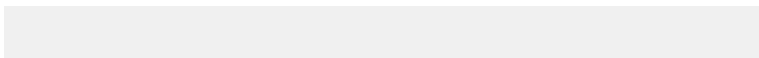
68.5856, 0.3054, 0.3465



36.0062, 0.3442, 0.4267



15.1904, 0.3045, 0.3487



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.



33.5153, 0.2897, 0.3957



59.0525, 0.2858, 0.4127



34.4713, 0.2676, 0.3426



8.4532, 0.3066, 0.3433



21.4368, 0.2820, 0.5352



0.5316, 0.2627, 0.4658

Inverse Universe

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



21.1424, 0.3464, 0.2709



33.4705, 0.3561, 0.2589



20.3136, 0.3886, 0.3163



7.6175, 0.3193, 0.3151



7.0524, 0.4435, 0.2217



0.1811, 0.3937, 0.1942

Previews

White Background



This preview shows how the Yxy color 33.5139, 0.2897, 0.3957 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 33.5139, 0.2897, 0.3957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

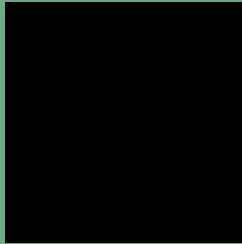
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5139, 0.2897, 0.3957

Background



This preview shows how black text looks on a background with the Yxy color 33.5139, 0.2897, 0.3957.



This preview shows how white text looks on a background with the Yxy color 33.5139, 0.2897, 0.3957.

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

33.5139, 0.2897, 0.3957

Protanopia

33.3392, 0.3533, 0.3769

Deuteranopia

33.0269, 0.3571, 0.3506



Tritanopia

33.5072, 0.2628, 0.3085

Trichromacy



Original Color

33.5139, 0.2897, 0.3957

Protanomaly

33.0418, 0.3275, 0.3830

Deuteranomaly

32.5106, 0.3289, 0.3649

Tritanomaly

33.3212, 0.2723, 0.3387

Monochromacy



Original Color

33.5139, 0.2897, 0.3957

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.2713, 0.3029, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5139, 0.2897, 0.3957 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, 170, 131)` looks like.

```
.text, #text, p{  
    color:rgb(107, 170, 131)  
}
```

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, 170, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 170, 131) }
```

Border

The CSS property to change the border of an element to Yxy 33.5139, 0.2897, 0.3957 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, 170, 131) }
```

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

```
.border{ border-color:rgb(107, 170, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 170, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 170, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 170, 131);  
box-shadow:4px 4px 4px 4px rgb(107, 170,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5139, 0.2897, 0.3957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 170, 131) }
```

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

```
.background{ background-color: rgb(107,  
170, 131) }
```

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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