

Converting Colors

$Yxy(35.0017, 0.2631, 0.3589)$

Have a look what the booklet for
Yxy(35.0017, 0.2631, 0.3589)
contains.

Yxy(34.9996, 0.2631, 0.3589)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.9996, 0.2631, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	5DAE9C
RGB	93, 174, 156
RGB Percent	36%, 68%, 61%
CMY	0.6350, 0.3177, 0.3882
CMYK	0.47, 0.00, 0.10, 0.32
HSL	167°, 33%, 52%
HSV	167°, 47%, 68%
XYZ	25.6573, 34.9996, 36.8622
YIQ	147.7290, -42.4980, -22.7700

Conversions

Conversions Part 2

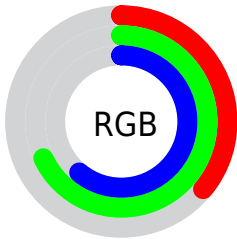
Format	Color
RYB	93, 139, 174
Decimal	6139548
CIELab	65.75, -29.22, 1.55
CIElCh	66, 29.262, 176.956
Yxy	34.9996, 0.2631, 0.3589
Android (android.graphics.Color)	4284329628 (0xFF5DAE9C)
YUV	147.7290, 4.0776, -47.9973
Hunter-Lab	59.1605, -26.1172, 4.4694

Details

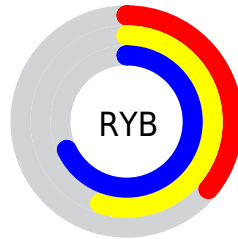
The Yxy color **34.9996, 0.2631, 0.3589** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **17.9881, 0.4076, 0.3024**, and the grayscale version is **29.4995, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.5427, 0.2731, 0.3537**, and **15.0697, 0.2472, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **34.0643, 0.2558, 0.3666**, and if you desaturate by 10%, it is **36.1485, 0.2719, 0.3516**.

Distribution



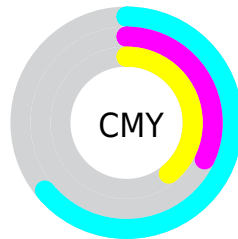
- Red (36%)
- Green (68%)
- Blue (61%)



- Red (36%)
- Yellow (55%)
- Blue (68%)



- Cyan (47%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)





- Cyan (64%)
- Magenta (32%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9996, 0.2631, 0.3589 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 34.9996, 0.2631, 0.3589 by changing the saturation by 10% instead.


 34.9996, 0.2631,
0.3589


 34.9996, 0.2631,
0.3589


324.5666, 0.2890,
0.3432


 23.6626, 0.2562,
0.3631

 67.4851, 0.2728,
0.3530

 15.0835, 0.2472,
0.3687


 89.4025, 0.2764,
0.3508

 8.8780, 0.2348,
0.3764


 115.6153, 0.2793,
0.3490

 4.6617, 0.2166,
0.3878

 146.5081, 0.2819,
0.3475

 2.0502, 0.1879,
0.4063

182.4652, 0.2840,
0.3462

 0.6364, 0.0000,
0.5213

223.8711, 0.2859,

 0.0000, 0.0000,

0.3450

0.0000

271.1101, 0.2876,
0.3440

■ 34.9996, 0.2631,
0.3589

■ 34.9996, 0.2631,
0.3589

■ 34.0643, 0.2558,
0.3666

■ 36.1485, 0.2719,
0.3516

■ 33.3241, 0.2502,
0.3745

■ 37.5196, 0.2820,
0.3447

■ 32.7645, 0.2465,
0.3826


■ 39.1263, 0.2931,
0.3383


■ 32.3669, 0.2447,
0.3907


■ 40.9794, 0.3048,
0.3325


■ 32.1056, 0.2447,
0.3987

■ 43.0894, 0.3170,
0.3272

 32.0280, 0.2449,
0.4016

 45.4659, 0.3294,
0.3225

 48.1182, 0.3418,
0.3182

 51.0549, 0.3540,
0.3145

 54.2845, 0.3660,
0.3113

Harmonies

Analogous

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



34.9996, 0.3032, 0.3961



34.9996, 0.2631, 0.3589



34.9996, 0.2373, 0.3144

Triad

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



34.9996, 0.2631, 0.3589



34.9996, 0.2741, 0.2581



34.9996, 0.4022, 0.3705

Complementary

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



34.9996, 0.2631, 0.3589



17.9881, 0.4076, 0.3024

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.



34.9996, 0.3942, 0.3348



34.9996, 0.2631, 0.3589



34.9996, 0.3173, 0.2728

Square

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



34.9996, 0.2631, 0.3589



34.9996, 0.2434, 0.2595



34.9996, 0.3622, 0.3001



34.9996, 0.3844, 0.3991

Rectangle

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



34.9996, 0.2631, 0.3589



34.9996, 0.2305, 0.2889



34.9996, 0.3622, 0.3001



34.9996, 0.4025, 0.3589

Sweetspot

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



35.0010, 0.2631, 0.3589



71.6981, 0.2957, 0.3370



34.5025, 0.3212, 0.4658



15.7853, 0.2932, 0.3383



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.



35.0010, 0.2631, 0.3589



61.7224, 0.2555, 0.3670



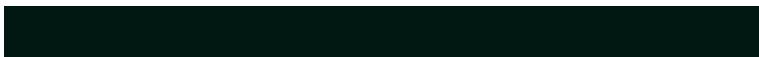
27.9777, 0.2453, 0.2925



9.0412, 0.3015, 0.3341



23.2416, 0.2446, 0.4007



0.6540, 0.2379, 0.3763

Inverse Universe

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



17.9881, 0.4076, 0.3024



26.9708, 0.4426, 0.2976



21.9715, 0.4201, 0.3616



8.0434, 0.3253, 0.3240



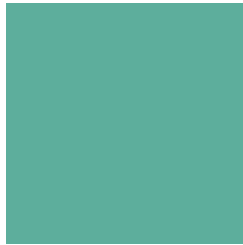
6.6390, 0.5978, 0.3067



0.1927, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 34.9996, 0.2631, 0.3589 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 34.9996, 0.2631, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

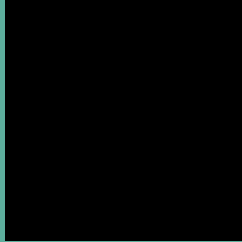
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9996, 0.2631, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 34.9996, 0.2631, 0.3589.

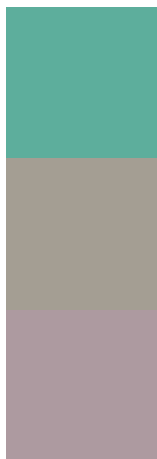


This preview shows how white text looks on a background with the Yxy color 34.9996, 0.2631, 0.3589.

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

34.9996, 0.2631, 0.3589

Protanopia

34.4528, 0.3288, 0.3453

Deuteranopia

34.5335, 0.3261, 0.3205



Tritanopia

34.9768, 0.2491, 0.3069

Trichromacy



Original Color

34.9996, 0.2631, 0.3589

Protanomaly

34.1562, 0.3007, 0.3510

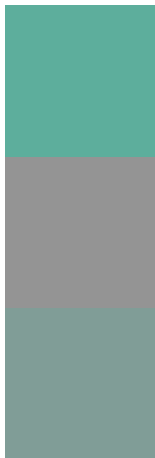
Deuteranomaly

33.9222, 0.2986, 0.3320

Tritanomaly

34.7785, 0.2538, 0.3240

Monochromacy



Original Color

34.9996, 0.2631, 0.3589

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

30.9375, 0.2906, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9996, 0.2631, 0.3589 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(93, 174, 156)` looks like.

```
.text, #text, p{  
    color:rgb(93, 174, 156)  
}
```

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(93, 174, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 174, 156) }
```

Border

The CSS property to change the border of an element to Yxy 34.9996, 0.2631, 0.3589 is called "border". The border property can be set on classes, ids or directly on the HTML element.

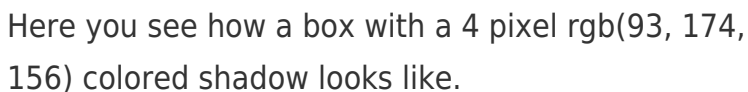
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(93, 174, 156) }
```

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

```
.border{ border-color:rgb(93, 174, 156) }
```

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



Here you see how a box with a 4 pixel `rgb(93, 174, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 174, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 174, 156);  
box-shadow:4px 4px 4px 4px rgb(93, 174,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9996, 0.2631, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 174, 156) }
```

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

```
.background{ background-color: rgb(93, 174,  
156) }
```

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