

Converting Colors

$Y_{xy}(33.7935, 0.2682, 0.3930)$

Have a look what the booklet for
Yxy(33.7935, 0.2682, 0.3930)
contains.

Yxy(33.8276, 0.2684, 0.3940)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.8276, 0.2684, 0.3940)

Conversions

Conversions Part 1

Format	Color
Hex	51AE89
RGB	81, 174, 137
RGB Percent	32%, 68%, 54%
CMY	0.6824, 0.3176, 0.4627
CMYK	0.53, 0.00, 0.21, 0.32
HSL	156°, 36%, 50%
HSV	156°, 53%, 68%
XYZ	23.0440, 33.8276, 28.9853
YIQ	141.9750, -43.5510, -31.2230

Conversions

Conversions Part 2

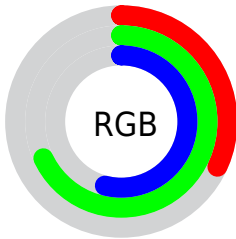
Format	Color
RYB	81, 139, 174
Decimal	5353097
CIELab	64.83, -36.61, 10.70
CIELCh	65, 38.140, 163.713
Yxy	33.8276, 0.2684, 0.3940
Android (android.graphics.Color)	4283543177 (0xFF51AE89)
YUV	141.9750, -2.4527, -53.4751
Hunter-Lab	58.1615, -31.0597, 11.1654

Details

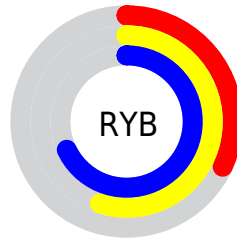
The Yxy color **33.8276, 0.2684, 0.3940** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **16.1888, 0.4020, 0.2750**, and the grayscale version is **27.0617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6297, 0.2779, 0.3807**, and **14.4562, 0.2530, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **32.9641, 0.2637, 0.4089**, and if you desaturate by 10%, it is **34.9035, 0.2747, 0.3797**.

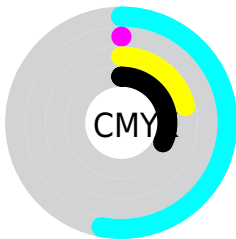
Distribution



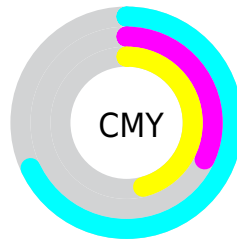
- Red (32%)
- Green (68%)
- Blue (54%)



- Red (32%)
- Yellow (55%)
- Blue (68%)



- Cyan (53%)
- Magenta (0%)
- Yellow (21%)
- Black (32%)



- Cyan (68%)
- Magenta (32%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8276, 0.2684, 0.3940 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 33.8276, 0.2684, 0.3940 by changing the saturation by 10% instead.


 33.8276, 0.2684,
0.3940


 33.8276, 0.2684,
0.3940


319.3626, 0.2923,
0.3584


 22.7612, 0.2618,
0.4041


 65.6655, 0.2776,
0.3802

 14.4173, 0.2529,
0.4177

 87.2057, 0.2809,
0.3753

 8.4115, 0.2402,
0.4375

 113.0061, 0.2836,
0.3713

 4.3593, 0.2210,
0.4681

 143.4509, 0.2859,
0.3679

 1.8765, 0.1859,
0.5236

 178.9245, 0.2878,
0.3650

 0.5342, 0.0000,
1.0000

219.8115, 0.2895,

 0.0000, 0.0000,

0.3625

0.0000

266.4960, 0.2910,
0.3603

■ 33.8276, 0.2684,
0.3940

■ 33.8276, 0.2684,
0.3940

■ 32.9641, 0.2637,
0.4089

■ 34.9035, 0.2747,
0.3797

■ 32.2934, 0.2608,
0.4242

■ 36.2016, 0.2822,
0.3663

■ 31.7988, 0.2599,
0.4395

■ 37.7362, 0.2907,
0.3539

■ 31.4590, 0.2610,
0.4546

■ 39.5189, 0.2998,
0.3426

■ 31.2899, 0.2623,
0.4643

■ 41.5607, 0.3094,
0.3323

■ 43.8719, 0.3191,
0.3231

■ 46.4622, 0.3288,
0.3149

■ 49.3408, 0.3384,
0.3077

■ 52.5166, 0.3477,
0.3014

Harmonies

Analogous

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



33.8276, 0.3246, 0.4324



33.8276, 0.2684, 0.3940



33.8276, 0.2266, 0.3341

Triad

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



33.8276, 0.2684, 0.3940



33.8276, 0.2424, 0.2361



33.8276, 0.4304, 0.3604

Complementary

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



33.8276, 0.2684, 0.3940



16.1888, 0.4020, 0.2750

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.



33.8276, 0.4051, 0.3147



33.8276, 0.2684, 0.3940



33.8276, 0.2918, 0.2467

Square

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



33.8276, 0.2684, 0.3940



33.8276, 0.2133, 0.2464



33.8276, 0.3522, 0.2746



33.8276, 0.4201, 0.4037

Rectangle

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



33.8276, 0.2684, 0.3940



33.8276, 0.2113, 0.2960



33.8276, 0.3522, 0.2746



33.8276, 0.4259, 0.3450

Sweetspot

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



33.8290, 0.2684, 0.3940



70.7195, 0.2972, 0.3457



34.7327, 0.3347, 0.4820



15.5712, 0.2953, 0.3479



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.



33.8290, 0.2684, 0.3940



59.5629, 0.2631, 0.4114



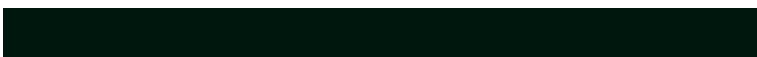
31.6078, 0.2422, 0.3133



9.0173, 0.3037, 0.3382



22.7053, 0.2619, 0.4627



0.6420, 0.2493, 0.4173

Inverse Universe

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



16.1888, 0.4020, 0.2750



24.1902, 0.4337, 0.2666



16.9534, 0.4576, 0.3429



8.0661, 0.3226, 0.3200



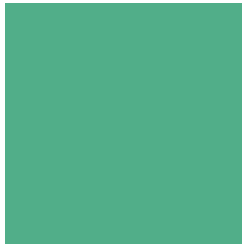
6.8513, 0.5349, 0.2720



0.2016, 0.4552, 0.2281

Previews

White Background



This preview shows how the Yxy color 33.8276, 0.2684, 0.3940 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 33.8276, 0.2684, 0.3940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

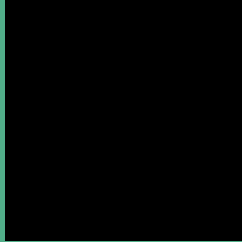
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8276, 0.2684, 0.3940

Background



This preview shows how black text looks on a background with the Yxy color 33.8276, 0.2684, 0.3940.



This preview shows how white text looks on a background with the Yxy color 33.8276, 0.2684, 0.3940.

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

33.8276, 0.2684, 0.3940

Protanopia

33.3348, 0.3484, 0.3710

Deuteranopia

33.4333, 0.3486, 0.3420



Tritanopia

33.7623, 0.2456, 0.3065

Trichromacy



Original Color

33.8276, 0.2684, 0.3940

Protanomaly

32.9014, 0.3131, 0.3811

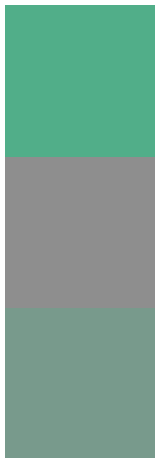
Deuteranomaly

32.4405, 0.3132, 0.3592

Tritanomaly

33.6265, 0.2532, 0.3355

Monochromacy



Original Color

33.8276, 0.2684, 0.3940

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.9977, 0.2925, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8276, 0.2684, 0.3940 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(81, 174, 137)` looks like.

```
.text, #text, p{  
    color:rgb(81, 174, 137)  
}
```

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(81, 174, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 174, 137) }
```

Border

The CSS property to change the border of an element to Yxy 33.8276, 0.2684, 0.3940 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(81, 174, 137) }
```

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

```
.border{ border-color:rgb(81, 174, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 174, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 174, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 174, 137);  
box-shadow:4px 4px 4px 4px rgb(81, 174,  
137) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8276, 0.2684, 0.3940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 174, 137) }
```

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

```
.background{ background-color: rgb(81, 174,  
137) }
```

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