

Converting Colors

$Yxy(33.5711, 0.2681, 0.4000)$

Have a look what the booklet for
Yxy(33.5711, 0.2681, 0.4000)
contains.

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Color

Yxy(33.5711, 0.2681, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	4DAE86
RGB	77, 174, 134
RGB Percent	30%, 68%, 53%
CMY	0.6980, 0.3176, 0.4744
CMYK	0.56, 0.00, 0.23, 0.32
HSL	155°, 39%, 49%
HSV	155°, 56%, 68%
XYZ	22.5010, 33.5711, 27.8556
YIQ	140.4370, -44.9720, -33.0040

Conversions

Conversions Part 2

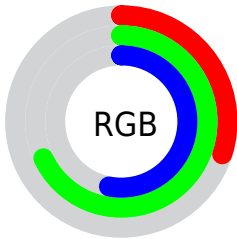
Format	Color
RYB	77, 138, 174
Decimal	5090950
CIELab	64.62, -38.19, 12.04
CIElCh	65, 40.047, 162.508
Yxy	33.5711, 0.2681, 0.4000
Android (android.graphics.Color)	4283281030 (0xFF4DAE86)
YUV	140.4370, -3.1734, -55.6342
Hunter-Lab	57.9406, -32.0761, 12.0540

Details

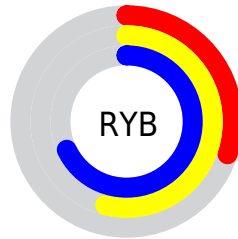
The Yxy color **33.5711, 0.2681, 0.4000** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.5914, 0.4054, 0.2711**, and the grayscale version is **26.4319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1680, 0.2774, 0.3851**, and **14.3277, 0.2526, 0.4277** is the 20% darker color. If you saturate the color by 10%, you get **32.7494, 0.2639, 0.4156**, and if you desaturate by 10%, it is **34.6027, 0.2739, 0.3850**.

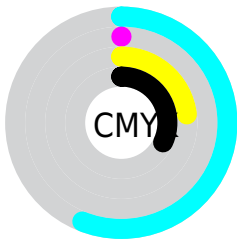
Distribution



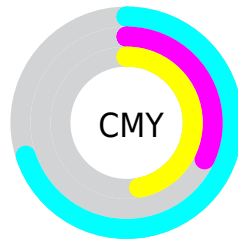
- Red (30%)
- Green (68%)
- Blue (53%)



- Red (30%)
- Yellow (54%)
- Blue (68%)



- Cyan (56%)
- Magenta (0%)
- Yellow (23%)
- Black (32%)





- Cyan (70%)
- Magenta (32%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.5711, 0.2681, 0.4000 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 33.5711, 0.2681, 0.4000 by changing the saturation by 10% instead.


 33.5711, 0.2681,
0.4000


 33.5711, 0.2681,
0.4000


318.2153, 0.2923,
0.3609

 22.5643, 0.2613,
0.4111


 65.2661, 0.2774,
0.3849


 14.2721, 0.2522,
0.4263


 86.7232, 0.2808,
0.3795


 8.3102, 0.2392,
0.4482


 112.4324, 0.2835,
0.3750

 4.2941, 0.2192,
0.4825

 142.7782, 0.2858,
0.3713

 1.8394, 0.1800,
0.5464

 178.1450, 0.2878,
0.3681

 0.5115, 0.0000,
1.0000

218.9172, 0.2895,

 0.0000, 0.0000,

0.3654

0.0000

265.4792, 0.2910,
0.3630

■ 33.5711, 0.2681,
0.4000

■ 33.5711, 0.2681,
0.4000

■ 32.7494, 0.2639,
0.4156

■ 34.6027, 0.2739,
0.3850

■ 32.1174, 0.2616,
0.4315

■ 35.8543, 0.2810,
0.3709

■ 31.6579, 0.2613,
0.4474

■ 37.3405, 0.2891,
0.3577

■ 31.3472, 0.2628,
0.4630

■ 39.0733, 0.2980,
0.3457

■ 31.2375, 0.2638,
0.4695

■ 41.0636, 0.3073,
0.3348

■ 43.3220, 0.3168,
0.3250

■ 45.8584, 0.3263,
0.3163

■ 48.6822, 0.3357,
0.3086

■ 51.8021, 0.3449,
0.3018

Harmonies

Analogous

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



33.5711, 0.3273, 0.4391



33.5711, 0.2681, 0.4000



33.5711, 0.2237, 0.3367

Triad

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



33.5711, 0.2681, 0.4000



33.5711, 0.2373, 0.2318



33.5711, 0.4362, 0.3594

Complementary

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



33.5711, 0.2681, 0.4000



15.5914, 0.4054, 0.2711

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.



33.5711, 0.4082, 0.3119



33.5711, 0.2681, 0.4000



33.5711, 0.2882, 0.2421

Square

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



33.5711, 0.2681, 0.4000



33.5711, 0.2080, 0.2433



33.5711, 0.3516, 0.2705



33.5711, 0.4265, 0.4052

Rectangle

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



33.5711, 0.2681, 0.4000



33.5711, 0.2072, 0.2962



33.5711, 0.3516, 0.2705



33.5711, 0.4310, 0.3433

Sweetspot

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



33.5724, 0.2681, 0.4000



70.3546, 0.2966, 0.3475



34.6196, 0.3365, 0.4880



15.4955, 0.2948, 0.3498



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.



33.5724, 0.2681, 0.4000



59.0927, 0.2632, 0.4195



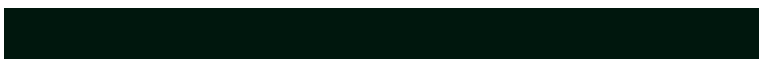
31.8768, 0.2405, 0.3153



9.0154, 0.3039, 0.3385



22.6684, 0.2633, 0.4678



0.6411, 0.2502, 0.4208

Inverse Universe

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



15.5914, 0.4054, 0.2711



23.1630, 0.4391, 0.2626



16.0457, 0.4686, 0.3410



8.0680, 0.3224, 0.3197



6.8747, 0.5290, 0.2688



0.2023, 0.4511, 0.2258

Previews

White Background



This preview shows how the Yxy color 33.5711, 0.2681, 0.4000 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 33.5711, 0.2681, 0.4000 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 33.5711, 0.2681, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 33.5711, 0.2681, 0.4000.



This preview shows how white text looks on a background with the Yxy color 33.5711, 0.2681, 0.4000.

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

33.5711, 0.2681, 0.4000

Protanopia

32.9227, 0.3516, 0.3742

Deuteranopia

33.0239, 0.3520, 0.3449



Tritanopia

33.6168, 0.2451, 0.3079

Trichromacy



Original Color

33.5711, 0.2681, 0.4000

Protanomaly

32.3857, 0.3148, 0.3848

Deuteranomaly

32.2651, 0.3149, 0.3642

Tritanomaly

33.4560, 0.2533, 0.3389

Monochromacy



Original Color

33.5711, 0.2681, 0.4000

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

28.0734, 0.2913, 0.3533

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5711, 0.2681, 0.4000 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(77, 174, 134)` looks like.

```
.text, #text, p{  
  color:rgb(77, 174, 134)  
}
```

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(77, 174, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 174, 134) }
```

Border

The CSS property to change the border of an element to Yxy 33.5711, 0.2681, 0.4000 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(77, 174, 134) }
```

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

```
.border{ border-color:rgb(77, 174, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 174, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 174, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 174, 134);  
box-shadow:4px 4px 4px 4px rgb(77, 174,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5711, 0.2681, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 174, 134) }
```

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

```
.background{ background-color: rgb(77, 174,  
134) }
```

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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