

Converting Colors

$Yxy(33.2383, 0.2543, 0.3448)$

Have a look what the booklet for
Yxy(33.2383, 0.2543, 0.3448)
contains.

Yxy(33.2540, 0.2540, 0.3441)	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

$\text{Yxy}(33.2540, 0.2540, 0.3441)$

Conversions

Conversions Part 1

Format	Color
Hex	55AAA1
RGB	85, 170, 161
RGB Percent	33%, 67%, 63%
CMY	0.6671, 0.3333, 0.3687
CMYK	0.50, 0.00, 0.05, 0.33
HSL	174°, 33%, 50%
HSV	174°, 50%, 67%
XYZ	24.5467, 33.2540, 38.8398
YIQ	143.5590, -47.7710, -20.8190

Conversions

Conversions Part 2

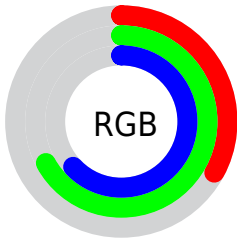
Format	Color
RYB	85, 130, 170
Decimal	5614241
CIELab	64.37, -27.99, -3.28
CIElCh	64, 28.186, 186.681
Yxy	33.2540, 0.2540, 0.3441
Android (android.graphics.Color)	4283804321 (0xFF55AAA1)
YUV	143.5590, 8.5984, -51.3562
Hunter-Lab	57.6663, -24.9343, 0.4330

Details

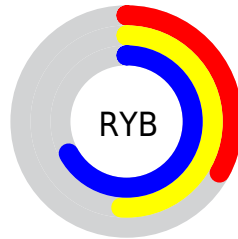
The Yxy color **33.2540, 0.2540, 0.3441** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8361, 0.4355, 0.3158**, and the grayscale version is **27.6736, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0133, 0.2656, 0.3414**, and **14.0189, 0.2348, 0.3463** is the 20% darker color. If you saturate the color by 10%, you get **32.4908, 0.2464, 0.3476**, and if you desaturate by 10%, it is **34.2118, 0.2633, 0.3407**.

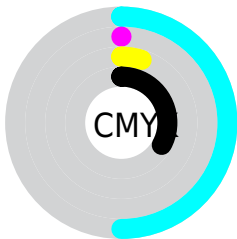
Distribution



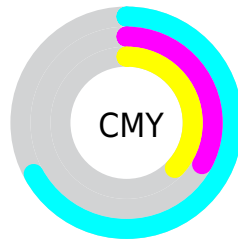
- Red (33%)
- Green (67%)
- Blue (63%)



- Red (33%)
- Yellow (51%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (5%)
- Black (33%)




- Cyan (67%)
- Magenta (33%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2540, 0.2540, 0.3441 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 33.2540, 0.2540, 0.3441 by changing the saturation by 10% instead.


 33.2540, 0.2540,
0.3441


 33.2540, 0.2540,
0.3441


316.7927, 0.2847,
0.3365


 22.3211, 0.2459,
0.3460


 64.7719, 0.2654,
0.3413


 14.0930, 0.2353,
0.3484


 86.1257, 0.2697,
0.3403

 8.1854, 0.2208,
0.3515


 111.7218, 0.2732,
0.3394

 4.2138, 0.1997,
0.3557

 141.9448, 0.2762,
0.3387

 1.7939, 0.1668,
0.3612

177.1790, 0.2787,
0.3380

 0.4833, 0.0000,
0.3901

217.8088, 0.2810,

 0.0000, 0.0000,

0.3375

0.0000

264.2186, 0.2829,
0.3370

■ 33.2540, 0.2540,
0.3441

■ 33.2540, 0.2540,
0.3441

■ 32.4908, 0.2464,
0.3476

■ 34.2118, 0.2633,
0.3407

■ 31.9044, 0.2406,
0.3512

■ 35.3728, 0.2741,
0.3375

■ 31.4803, 0.2367,
0.3548

■ 36.7499, 0.2861,
0.3344

■ 31.1998, 0.2346,
0.3584

■ 38.3537, 0.2990,
0.3316

■ 31.0224, 0.2339,
0.3620

■ 40.1941, 0.3126,
0.3290

■ 42.2804, 0.3267,
0.3267

■ 44.6214, 0.3409,
0.3246

■ 47.2257, 0.3550,
0.3228

■ 50.1011, 0.3690,
0.3211

Harmonies

Analogous

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



33.2540, 0.2897, 0.3847



33.2540, 0.2540, 0.3441



33.2540, 0.2344, 0.3019

Triad

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



33.2540, 0.2540, 0.3441



33.2540, 0.2877, 0.2625



33.2540, 0.3973, 0.3801

Complementary

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



33.2540, 0.2540, 0.3441



15.8361, 0.4355, 0.3158

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.



33.2540, 0.3980, 0.3464



33.2540, 0.2540, 0.3441



33.2540, 0.3320, 0.2814

Square

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



33.2540, 0.2540, 0.3441



33.2540, 0.2527, 0.2585



33.2540, 0.3734, 0.3112



33.2540, 0.3729, 0.4037

Rectangle

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



33.2540, 0.2540, 0.3441



33.2540, 0.2320, 0.2799



33.2540, 0.3734, 0.3112



33.2540, 0.4004, 0.3695

Sweetspot

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



33.2553, 0.2540, 0.3441



68.0060, 0.2922, 0.3330



31.8338, 0.3130, 0.4811



15.0351, 0.2895, 0.3336



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.



33.2553, 0.2540, 0.3441



58.8152, 0.2457, 0.3480



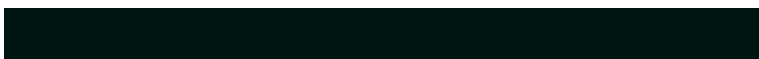
22.8317, 0.2374, 0.2711



8.5182, 0.3001, 0.3314



22.8205, 0.2338, 0.3616



0.5590, 0.2305, 0.3497

Inverse Universe

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



15.8361, 0.4355, 0.3158



23.5837, 0.4803, 0.3140



22.0483, 0.4232, 0.3787



7.5548, 0.3270, 0.3266



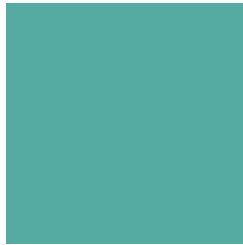
6.3230, 0.6249, 0.3216



0.1577, 0.5687, 0.2907

Previews

White Background



This preview shows how the Yxy color 33.2540, 0.2540, 0.3441 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 33.2540, 0.2540, 0.3441 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

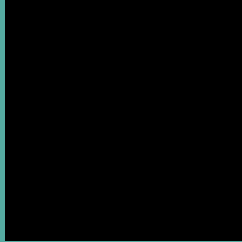
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2540, 0.2540, 0.3441

Background



This preview shows how black text looks on a background with the Yxy color 33.2540, 0.2540, 0.3441.

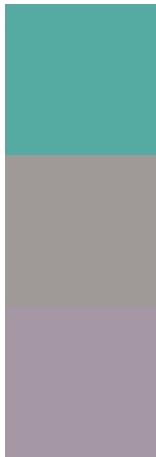


This preview shows how white text looks on a background with the Yxy color 33.2540, 0.2540, 0.3441.

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

33.2540, 0.2540, 0.3441

Protanopia

32.7491, 0.3196, 0.3320

Deuteranopia

32.9568, 0.3147, 0.3088



Tritanopia

33.1978, 0.2442, 0.3063

Trichromacy



Original Color

33.2540, 0.2540, 0.3441

Protanomaly

32.4137, 0.2911, 0.3369

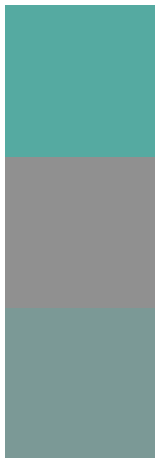
Deuteranomaly

32.4524, 0.2880, 0.3196

Tritanomaly

33.1851, 0.2476, 0.3190

Monochromacy



Original Color

33.2540, 0.2540, 0.3441

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

29.1954, 0.2867, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2540, 0.2540, 0.3441 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(85, 170, 161)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 161)  
}
```

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(85, 170, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 170, 161) }
```

Border

The CSS property to change the border of an element to Yxy 33.2540, 0.2540, 0.3441 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(85, 170, 161) }
```

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

```
.border{ border-color:rgb(85, 170, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 170, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 170, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 170, 161);  
box-shadow:4px 4px 4px 4px rgb(85, 170,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2540, 0.2540, 0.3441 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 170, 161) }
```

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

```
.background{ background-color: rgb(85, 170,  
161) }
```

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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