

Converting Colors

$Yxy(33.9594, 0.2488, 0.3305)$

Have a look what the booklet for
Yxy(33.9594, 0.2488, 0.3305)
contains.

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Color

$\text{Yxy}(33.9594, 0.2488, 0.3305)$

Conversions

Conversions Part 1

Format	Color
Hex	55ABAA
RGB	85, 171, 170
RGB Percent	33%, 67%, 67%
CMY	0.6666, 0.3294, 0.3334
CMYK	0.50, 0.00, 0.01, 0.33
HSL	179°, 34%, 50%
HSV	179°, 50%, 67%
XYZ	25.5646, 33.9594, 43.2276
YIQ	145.1720, -50.9350, -18.5430

Conversions

Conversions Part 2

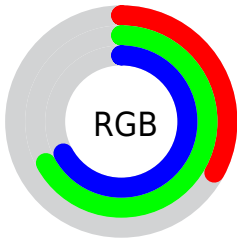
Format	Color
R _Y B	85, 128, 171
Decimal	5614506
CIE Lab	64.93, -26.08, -7.46
CIE LCh	65, 27.130, 195.956
Yxy	33.9594, 0.2488, 0.3305
Android (android.graphics.Color)	4283804586 (0xFF55ABAA)
YUV	145.1720, 12.2402, -52.7708
Hunter-Lab	58.2747, -23.6743, -3.1885

Details

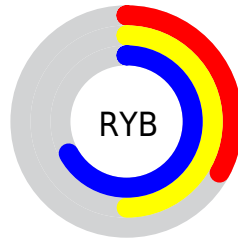
The Yxy color **33.9594, 0.2488, 0.3305** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.8312, 0.4500, 0.3279**, and the grayscale version is **28.3559, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0371, 0.2611, 0.3313**, and **14.4033, 0.2286, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **33.2468, 0.2406, 0.3309**, and if you desaturate by 10%, it is **34.8680, 0.2588, 0.3302**.

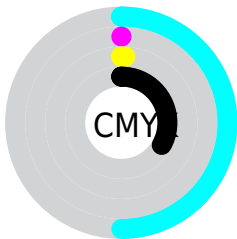
Distribution



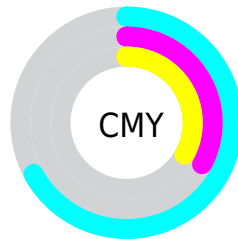
- Red (33%)
- Green (67%)
- Blue (67%)



- Red (33%)
- Yellow (50%)
- Blue (67%)



- Cyan (50%)
- Magenta (0%)
- Yellow (1%)
- Black (33%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9594, 0.2488, 0.3305 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 33.9594, 0.2488, 0.3305 by changing the saturation by 10% instead.


 33.9594, 0.2488,
0.3305


 33.9594, 0.2488,
0.3305


319.9510, 0.2818,
0.3304

 22.8624, 0.2402,
0.3303


 65.8705, 0.2611,
0.3306


 14.4919, 0.2290,
0.3298


 87.4535, 0.2656,
0.3306

 8.4636, 0.2139,
0.3289

 113.3005, 0.2694,
0.3306

 4.3930, 0.1922,
0.3268

 143.7960, 0.2726,
0.3306

 1.8957, 0.1592,
0.3218

179.3244, 0.2754,
0.3305

 0.5458, 0.0000,
0.3269

220.2701, 0.2778,

 0.0000, 0.0000,

0.3305

0.0000

267.0175, 0.2800,
0.3304

■ 33.9594, 0.2488,
0.3305

■ 33.9594, 0.2488,
0.3305

■ 33.2468, 0.2406,
0.3309

■ 34.8680, 0.2588,
0.3302

■ 32.7122, 0.2343,
0.3312

■ 35.9815, 0.2704,
0.3298

■ 32.3407, 0.2298,
0.3316

■ 37.3128, 0.2833,
0.3295

■ 32.1134, 0.2271,
0.3320

■ 38.8728, 0.2974,
0.3293

■ 31.9903, 0.2257,
0.3323

■ 40.6715, 0.3123,
0.3290

■ 42.7184, 0.3277,
0.3288

■ 45.0224, 0.3434,
0.3286

■ 47.5921, 0.3591,
0.3284

■ 50.4356, 0.3747,
0.3283

Harmonies

Analogous

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



33.9594, 0.2789, 0.3713



33.9594, 0.2488, 0.3305



33.9594, 0.2355, 0.2927

Triad

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



33.9594, 0.2488, 0.3305



33.9594, 0.3015, 0.2694



33.9594, 0.3886, 0.3866

Complementary

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



33.9594, 0.2488, 0.3305



15.8312, 0.4500, 0.3279

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.



33.9594, 0.3967, 0.3563



33.9594, 0.2488, 0.3305



33.9594, 0.3444, 0.2913

Square

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



33.9594, 0.2488, 0.3305



33.9594, 0.2642, 0.2609



33.9594, 0.3802, 0.3222



33.9594, 0.3598, 0.4039

Rectangle

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



33.9594, 0.2488, 0.3305



33.9594, 0.2370, 0.2747



33.9594, 0.3802, 0.3222



33.9594, 0.3939, 0.3774

Sweetspot

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



33.9607, 0.2488, 0.3305



68.1719, 0.2903, 0.3294



31.7832, 0.3064, 0.4849



15.0770, 0.2874, 0.3294



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.



33.9607, 0.2488, 0.3305



59.4554, 0.2400, 0.3309



20.6908, 0.2340, 0.2547



9.0704, 0.2988, 0.3292



24.1157, 0.2256, 0.3323



0.6714, 0.2253, 0.3311

Inverse Universe

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



15.8312, 0.4500, 0.3279



23.3512, 0.4983, 0.3279



24.3847, 0.4169, 0.3915



8.0168, 0.3285, 0.3288



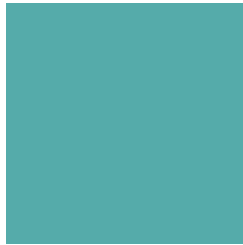
6.5307, 0.6385, 0.3291



0.1822, 0.6314, 0.3252

Previews

White Background



This preview shows how the Yxy color 33.9594, 0.2488, 0.3305 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 33.9594, 0.2488, 0.3305 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

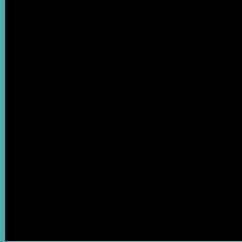
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

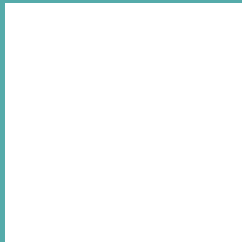
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.9594, 0.2488, 0.3305

Background



This preview shows how black text looks on a background with the Yxy color 33.9594, 0.2488, 0.3305.

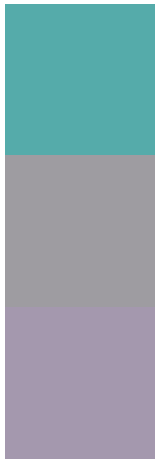


This preview shows how white text looks on a background with the Yxy color 33.9594, 0.2488, 0.3305.

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

33.9594, 0.2488, 0.3305

Protanopia

33.6192, 0.3101, 0.3216

Deuteranopia

33.4050, 0.3044, 0.2975



Tritanopia

33.9187, 0.2426, 0.3064

Trichromacy



Original Color

33.9594, 0.2488, 0.3305

Protanomaly

32.9954, 0.2830, 0.3242

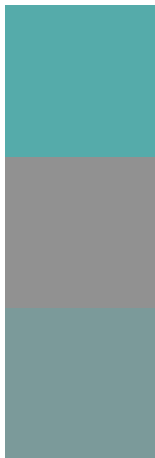
Deuteranomaly

32.9643, 0.2792, 0.3075

Tritanomaly

34.0385, 0.2453, 0.3158

Monochromacy



Original Color

33.9594, 0.2488, 0.3305

Achromatopsia

28.3149, 0.3127, 0.3290

Achromatomaly

29.6553, 0.2835, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9594, 0.2488, 0.3305 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, 171, 170)` looks like.

```
.text, #text, p{  
    color:rgb(85, 171, 170)  
}
```

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, 171, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 171, 170) }
```

Border

The CSS property to change the border of an element to Yxy 33.9594, 0.2488, 0.3305 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, 171, 170) }
```

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

```
.border{ border-color:rgb(85, 171, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 171, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(85, 171, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(85, 171, 170); box-shadow:4px 4px 4px 4px rgb(85, 171, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9594, 0.2488, 0.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 171, 170) }
```

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

```
.background{ background-color: rgb(85, 171,  
170) }
```

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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