

Converting Colors

$Yxy(33.5830, 0.2485, 0.3288)$

Have a look what the booklet for
Yxy(33.5830, 0.2485, 0.3288)
contains.

Yxy(33.5830, 0.2485, 0.3288)	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

Yxy(33.5830, 0.2485, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	55AAAA
RGB	85, 170, 170
RGB Percent	33%, 67%, 67%
CMY	0.6664, 0.3334, 0.3333
CMYK	0.50, 0.00, 0.00, 0.33
HSL	180°, 33%, 50%
HSV	180°, 50%, 67%
XYZ	25.3813, 33.5830, 43.1738
YIQ	144.5850, -50.6600, -18.0200

Conversions

Conversions Part 2

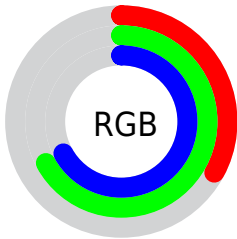
Format	Color
RYB	85, 128, 170
Decimal	5614250
CIELab	64.63, -25.56, -7.91
CIElCh	65, 26.761, 197.202
Yxy	33.5830, 0.2485, 0.3288
Android (android.graphics.Color)	4283804330 (0xFF55AAAA)
YUV	144.5850, 12.5296, -52.2560
Hunter-Lab	57.9508, -23.2345, -3.6059

Details

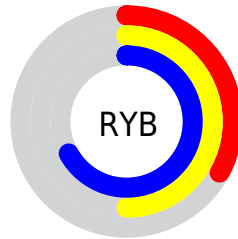
The Yxy color **33.5830, 0.2485, 0.3288** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.7125, 0.4502, 0.3294**, and the grayscale version is **28.1096, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4917, 0.2609, 0.3301**, and **14.1793, 0.2283, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **32.8808, 0.2402, 0.3288**, and if you desaturate by 10%, it is **34.4790, 0.2586, 0.3288**.

Distribution



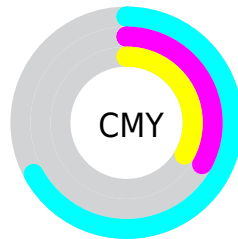
- Red (33%)
- Green (67%)
- Blue (67%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5830, 0.2485, 0.3288 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 33.5830, 0.2485, 0.3288 by changing the saturation by 10% instead.


 33.5830, 0.2485,
0.3288


 33.5830, 0.2485,
0.3288


318.2686, 0.2817,
0.3296

 22.5734, 0.2399,
0.3283


 65.2847, 0.2608,
0.3293


 14.2789, 0.2286,
0.3275


 86.7456, 0.2654,
0.3294

 8.3149, 0.2133,
0.3261


 112.4590, 0.2692,
0.3295

 4.2971, 0.1914,
0.3233

 142.8095, 0.2725,
0.3295

 1.8411, 0.1580,
0.3171

178.1812, 0.2753,
0.3296

 0.5126, 0.0000,
0.3142

218.9588, 0.2777,

 0.0000, 0.0000,

0.3296

0.0000

265.5264, 0.2798,
0.3296

■ 33.5830, 0.2485,
0.3288

■ 33.5830, 0.2485,
0.3288

■ 32.8808, 0.2402,
0.3288

■ 34.4790, 0.2586,
0.3288

■ 32.3545, 0.2337,
0.3288

■ 35.5775, 0.2704,
0.3289

■ 31.9897, 0.2291,
0.3287

■ 36.8911, 0.2835,
0.3289

■ 31.7678, 0.2262,
0.3287

■ 38.4306, 0.2977,
0.3290

■ 31.6481, 0.2247,
0.3287


■ 40.2058, 0.3128,
0.3290

 31.6476, 0.2247,
0.3287

 42.2260, 0.3284,
0.3290

 44.5000, 0.3443,
0.3291

 47.0364, 0.3602,
0.3291

 49.8429, 0.3759,
0.3292

Harmonies

Analogous

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



33.5830, 0.2778, 0.3694



33.5830, 0.2485, 0.3288



33.5830, 0.2360, 0.2918

Triad

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



33.5830, 0.2485, 0.3288



33.5830, 0.3033, 0.2706



33.5830, 0.3871, 0.3871

Complementary

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



33.5830, 0.2485, 0.3288



15.7125, 0.4502, 0.3294

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.



33.5830, 0.3960, 0.3575



33.5830, 0.2485, 0.3288



33.5830, 0.3458, 0.2928

Square

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



33.5830, 0.2485, 0.3288



33.5830, 0.2659, 0.2615



33.5830, 0.3807, 0.3237



33.5830, 0.3578, 0.4034

Rectangle

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



33.5830, 0.2485, 0.3288



33.5830, 0.2381, 0.2743



33.5830, 0.3807, 0.3237



33.5830, 0.3926, 0.3782

Sweetspot

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



33.5843, 0.2485, 0.3288



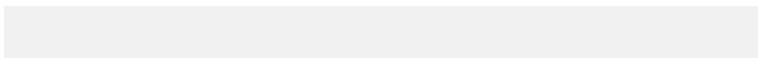
68.1919, 0.2900, 0.3289



31.3410, 0.3054, 0.4842



15.0821, 0.2871, 0.3289



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.



33.5843, 0.2485, 0.3288



59.5355, 0.2393, 0.3288



20.1548, 0.2341, 0.2527



8.5320, 0.2987, 0.3290



23.2806, 0.2247, 0.3287



0.5664, 0.2247, 0.3287

Inverse Universe

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



17.9567, 0.3183, 0.2110



27.8729, 0.3192, 0.1902



24.5208, 0.4149, 0.3931



7.6666, 0.3138, 0.3067



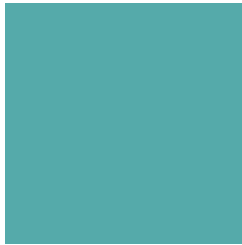
8.4212, 0.3209, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.5830, 0.2485, 0.3288 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 33.5830, 0.2485, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

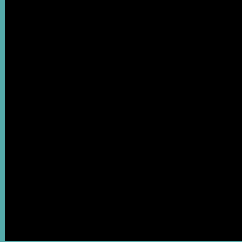
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.5830, 0.2485, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 33.5830, 0.2485, 0.3288.

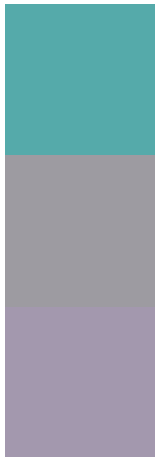


This preview shows how white text looks on a background with the Yxy color 33.5830, 0.2485, 0.3288.

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

33.5830, 0.2485, 0.3288

Protanopia

33.1840, 0.3092, 0.3201

Deuteranopia

33.2990, 0.3035, 0.2974



Tritanopia

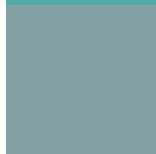
33.5065, 0.2428, 0.3063

Trichromacy



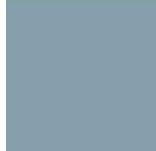
Original Color

33.5830, 0.2485, 0.3288



Protanomaly

32.6472, 0.2829, 0.3226



Deuteranomaly

32.9643, 0.2792, 0.3075



Tritanomaly

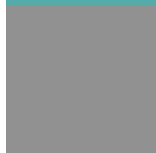
33.6650, 0.2450, 0.3142

Monochromacy



Original Color

33.5830, 0.2485, 0.3288



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 33.5830, 0.2485, 0.3288 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(85, 170, 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, 170, 170) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 33.5830, 0.2485, 0.3288 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, 170) }
```

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

```
.border{ border-color:rgb(85, 170, 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, 170, 170) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 33.5830, 0.2485, 0.3288 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, 170) }
```

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

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