

Converting Colors

$Yxy(33.2193, 0.2596, 0.3683)$

Have a look what the booklet for
Yxy(33.2193, 0.2596, 0.3683)
contains.

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Color

Yxy(33.3804, 0.2595, 0.3688)

Conversions

Conversions Part 1

Format	Color
Hex	50AC95
RGB	80, 172, 149
RGB Percent	31%, 67%, 58%
CMY	0.6862, 0.3255, 0.4156
CMYK	0.53, 0.00, 0.13, 0.33
HSL	165°, 36%, 49%
HSV	165°, 53%, 67%
XYZ	23.4876, 33.3804, 33.6429
YIQ	141.8700, -47.4490, -26.6570

Conversions

Conversions Part 2

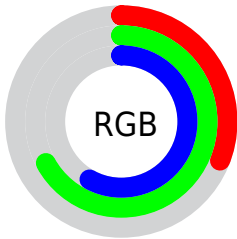
Format	Color
RYB	80, 133, 172
Decimal	5287061
CIELab	64.47, -33.08, 3.53
CIElCh	64, 33.267, 173.913
Yxy	33.3804, 0.2595, 0.3688
Android (android.graphics.Color)	4283477141 (0xFF50AC95)
YUV	141.8700, 3.5151, -54.2600
Hunter-Lab	57.7758, -28.5421, 5.9184

Details

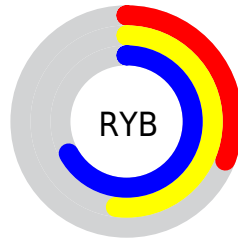
The Yxy color **33.3804, 0.2595, 0.3688** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.4911, 0.4256, 0.2952**, and the grayscale version is **26.9992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.0328, 0.2701, 0.3609**, and **14.1466, 0.2423, 0.3834** is the 20% darker color. If you saturate the color by 10%, you get **32.5913, 0.2536, 0.3777**, and if you desaturate by 10%, it is **34.3688, 0.2671, 0.3602**.

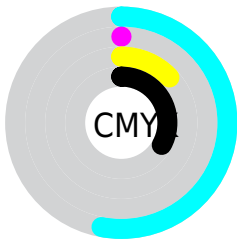
Distribution



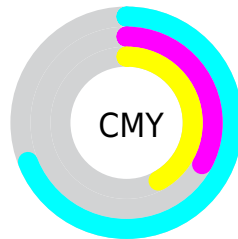
- Red (31%)
- Green (67%)
- Blue (58%)



- Red (31%)
- Yellow (52%)
- Blue (67%)



- Cyan (53%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)




- Cyan (69%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3804, 0.2595, 0.3688 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 33.3804, 0.2595, 0.3688 by changing the saturation by 10% instead.

 33.3804, 0.2595,
0.3688


 33.3804, 0.2595,
0.3688


317.3604, 0.2876,
0.3475

 22.4180, 0.2520,
0.3746


 64.9690, 0.2701,
0.3607

 14.1644, 0.2419,
0.3825


 86.3640, 0.2740,
0.3577

 8.2351, 0.2280,
0.3935


 112.0053, 0.2772,
0.3553

 4.2457, 0.2075,
0.4102

 142.2773, 0.2799,
0.3533

 1.8120, 0.1731,
0.4389

 177.5644, 0.2823,
0.3515

 0.4946, 0.0000,
0.6289

218.2510, 0.2843,

 0.0000, 0.0000,

0.3500

0.0000

264.7215, 0.2861,
0.3486

■ 33.3804, 0.2595,
0.3688

■ 33.3804, 0.2595,
0.3688

■ 32.5913, 0.2536,
0.3777

■ 34.3688, 0.2671,
0.3602

■ 31.9827, 0.2495,
0.3869

■ 35.5660, 0.2760,
0.3521

■ 31.5386, 0.2474,
0.3961

■ 36.9856, 0.2861,
0.3445

■ 31.2384, 0.2471,
0.4053

■ 38.6388, 0.2971,
0.3375

■ 31.0901, 0.2476,
0.4113

■ 40.5360, 0.3086,
0.3311

■ 42.6872, 0.3205,
0.3253

■ 45.1017, 0.3324,
0.3202

■ 47.7882, 0.3443,
0.3156

■ 50.7552, 0.3560,
0.3116

Harmonies

Analogous

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



33.3804, 0.3063, 0.4106



33.3804, 0.2595, 0.3688



33.3804, 0.2284, 0.3165

Triad

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



33.3804, 0.2595, 0.3688



33.3804, 0.2639, 0.2476



33.3804, 0.4164, 0.3715

Complementary

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



33.3804, 0.2595, 0.3688



15.4911, 0.4256, 0.2952

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.



33.3804, 0.4044, 0.3307



33.3804, 0.2595, 0.3688



33.3804, 0.3123, 0.2626

Square

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



33.3804, 0.2595, 0.3688



33.3804, 0.2310, 0.2506



33.3804, 0.3649, 0.2921



33.3804, 0.3982, 0.4064

Rectangle

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



33.3804, 0.2595, 0.3688



33.3804, 0.2194, 0.2862



33.3804, 0.3649, 0.2921



33.3804, 0.4159, 0.3581

Sweetspot

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



33.3817, 0.2595, 0.3688



69.2093, 0.2939, 0.3394



32.9691, 0.3226, 0.4879



14.9095, 0.2918, 0.3407



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.



33.3817, 0.2595, 0.3688



58.9190, 0.2528, 0.3793



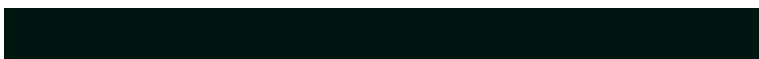
26.1819, 0.2373, 0.2889



9.0374, 0.3018, 0.3347



23.1454, 0.2473, 0.4103



0.6520, 0.2396, 0.3827

Inverse Universe

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



15.4911, 0.4256, 0.2952



23.0409, 0.4666, 0.2907



19.0544, 0.4448, 0.3636



8.0470, 0.3249, 0.3234



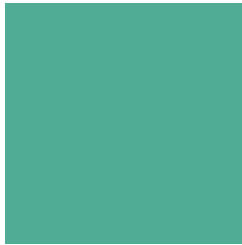
6.6642, 0.5892, 0.3020



0.1941, 0.5049, 0.2555

Previews

White Background



This preview shows how the Yxy color 33.3804, 0.2595, 0.3688 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 33.3804, 0.2595, 0.3688 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 33.3804, 0.2595, 0.3688

Background



This preview shows how black text looks on a background with the Yxy color 33.3804, 0.2595, 0.3688.

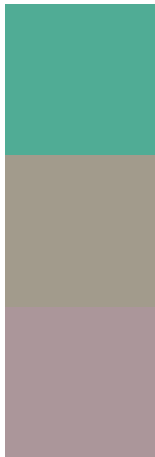


This preview shows how white text looks on a background with the Yxy color 33.3804, 0.2595, 0.3688.

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

33.3804, 0.2595, 0.3688

Protanopia

33.0175, 0.3339, 0.3516

Deuteranopia

32.8037, 0.3305, 0.3233



Tritanopia

33.1473, 0.2437, 0.3062

Trichromacy



Original Color

33.3804, 0.2595, 0.3688



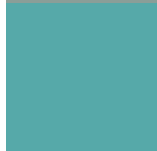
Protanomaly

32.3784, 0.3011, 0.3582



Deuteranomaly

32.1240, 0.2990, 0.3385



Tritanomaly

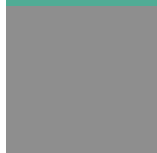
33.2189, 0.2493, 0.3288

Monochromacy



Original Color

33.3804, 0.2595, 0.3688



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.7487, 0.2873, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3804, 0.2595, 0.3688 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(80, 172, 149)` looks like.

```
.text, #text, p{  
    color:rgb(80, 172, 149)  
}
```

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(80, 172, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 172, 149) }
```

Border

The CSS property to change the border of an element to Yxy 33.3804, 0.2595, 0.3688 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(80, 172, 149) }
```

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

```
.border{ border-color:rgb(80, 172, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 172, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 172, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 172, 149);  
box-shadow:4px 4px 4px 4px rgb(80, 172,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3804, 0.2595, 0.3688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 172, 149) }
```

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

```
.background{ background-color: rgb(80, 172,  
149) }
```

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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