

Converting Colors

$Y_{xy}(33.1212, 0.2612, 0.3664)$

Have a look what the booklet for
Yxy(33.1212, 0.2612, 0.3664)
contains.

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Color

Yxy(33.1806, 0.2615, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	54AB95
RGB	84, 171, 149
RGB Percent	33%, 67%, 58%
CMY	0.6706, 0.3294, 0.4157
CMYK	0.51, 0.00, 0.13, 0.33
HSL	165°, 34%, 50%
HSV	165°, 51%, 67%
XYZ	23.6423, 33.1806, 33.5874
YIQ	142.4790, -44.7900, -25.2860

Conversions

Conversions Part 2

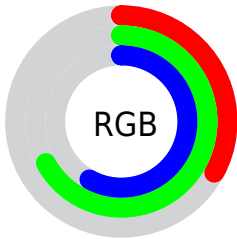
Format	Color
RYB	84, 134, 171
Decimal	5548949
CIELab	64.31, -31.70, 3.32
CIElCh	64, 31.873, 174.012
Yxy	33.1806, 0.2615, 0.3670
Android (android.graphics.Color)	4283739029 (0xFF54AB95)
YUV	142.4790, 3.2149, -51.2861
Hunter-Lab	57.6026, -27.5413, 5.7505

Details

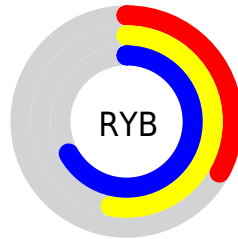
The Yxy color **33.1806, 0.2615, 0.3670** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.0383, 0.4168, 0.2962**, and the grayscale version is **27.2496, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7389, 0.2716, 0.3596**, and **14.0093, 0.2449, 0.3806** is the 20% darker color. If you saturate the color by 10%, you get **32.3513, 0.2552, 0.3760**, and if you desaturate by 10%, it is **34.2103, 0.2694, 0.3584**.

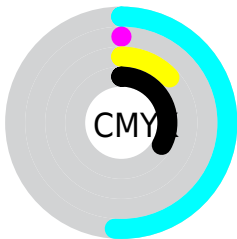
Distribution



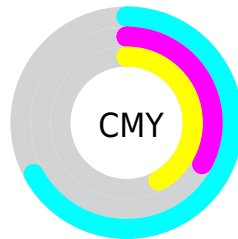
- Red (33%)
- Green (67%)
- Blue (58%)



- Red (33%)
- Yellow (53%)
- Blue (67%)



- Cyan (51%)
- Magenta (0%)
- Yellow (13%)
- Black (33%)





- Cyan (67%)
- Magenta (33%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1806, 0.2615, 0.3670 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 33.1806, 0.2615, 0.3670 by changing the saturation by 10% instead.


 33.1806, 0.2615,
0.3670


 33.1806, 0.2615,
0.3670


316.4627, 0.2886,
0.3466

 22.2648, 0.2542,
0.3726


 64.6574, 0.2717,
0.3592


 14.0516, 0.2445,
0.3801


 85.9872, 0.2754,
0.3564

 8.1566, 0.2311,
0.3906


 111.5571, 0.2786,
0.3541

 4.1953, 0.2112,
0.4066

 141.7516, 0.2812,
0.3522

 1.7834, 0.1780,
0.4340

176.9550, 0.2834,
0.3505

 0.4768, 0.0000,
0.6245

217.5518, 0.2854,

 0.0000, 0.0000,

0.3490

0.0000

263.9262, 0.2871,
0.3478

■ 33.1806, 0.2615,
0.3670

■ 33.1806, 0.2615,
0.3670

■ 32.3513, 0.2552,
0.3760

■ 34.2103, 0.2694,
0.3584

■ 31.7041, 0.2506,
0.3852

■ 35.4492, 0.2787,
0.3503

■ 31.2240, 0.2480,
0.3945

■ 36.9106, 0.2890,
0.3428

■ 30.8918, 0.2473,
0.4039

■ 38.6053, 0.3001,
0.3358

■ 30.6796, 0.2479,
0.4123

■ 40.5435, 0.3117,
0.3295

■ 42.7347, 0.3235,
0.3239

■ 45.1880, 0.3354,
0.3188

■ 47.9119, 0.3472,
0.3143

■ 50.9147, 0.3588,
0.3104

Harmonies

Analogous

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



33.1806, 0.3066, 0.4069



33.1806, 0.2615, 0.3670



33.1806, 0.2315, 0.3170

Triad

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



33.1806, 0.2615, 0.3670



33.1806, 0.2659, 0.2505



33.1806, 0.4123, 0.3704

Complementary

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



33.1806, 0.2615, 0.3670



16.0383, 0.4168, 0.2962

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.



33.1806, 0.4008, 0.3309



33.1806, 0.2615, 0.3670



33.1806, 0.3126, 0.2651

Square

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



33.1806, 0.2615, 0.3670



33.1806, 0.2341, 0.2535



33.1806, 0.3630, 0.2937



33.1806, 0.3948, 0.4037

Rectangle

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



33.1806, 0.2615, 0.3670



33.1806, 0.2228, 0.2879



33.1806, 0.3630, 0.2937



33.1806, 0.4118, 0.3575

Sweetspot

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



33.1819, 0.2615, 0.3670



67.7531, 0.2952, 0.3388



32.9057, 0.3238, 0.4788



14.9715, 0.2929, 0.3402



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.



33.1819, 0.2615, 0.3670



57.7803, 0.2545, 0.3771



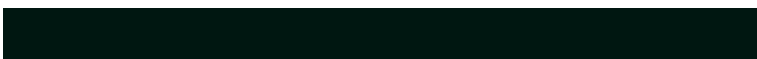
26.8622, 0.2409, 0.2938



9.0369, 0.3019, 0.3348



23.1350, 0.2476, 0.4114



0.6517, 0.2398, 0.3834

Inverse Universe

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



16.0383, 0.4168, 0.2962



23.6197, 0.4546, 0.2911



19.2583, 0.4369, 0.3599



8.0474, 0.3248, 0.3233



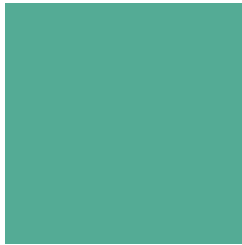
6.6672, 0.5883, 0.3014



0.1943, 0.5038, 0.2549

Previews

White Background



This preview shows how the Yxy color 33.1806, 0.2615, 0.3670 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 33.1806, 0.2615, 0.3670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

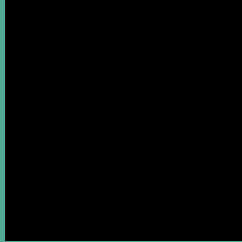
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1806, 0.2615, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 33.1806, 0.2615, 0.3670.

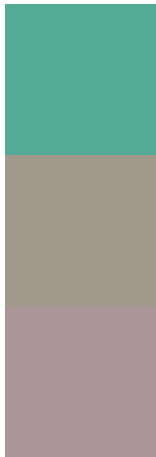


This preview shows how white text looks on a background with the Yxy color 33.1806, 0.2615, 0.3670.

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

33.1806, 0.2615, 0.3670

Protanopia

32.5817, 0.3331, 0.3502

Deuteranopia

32.6586, 0.3304, 0.3247



Tritanopia

33.3124, 0.2465, 0.3079

Trichromacy



Original Color

33.1806, 0.2615, 0.3670

Protanomaly

32.1113, 0.3020, 0.3565

Deuteranomaly

32.2097, 0.2999, 0.3384

Tritanomaly

33.0435, 0.2513, 0.3272

Monochromacy



Original Color

33.1806, 0.2615, 0.3670

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8917, 0.2891, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1806, 0.2615, 0.3670 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(84, 171, 149)` looks like.

```
.text, #text, p{  
    color:rgb(84, 171, 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(84, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 171, 149) }
```

Border

The CSS property to change the border of an element to Yxy 33.1806, 0.2615, 0.3670 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(84, 171, 149) }
```

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

```
.border{ border-color:rgb(84, 171, 149) }
```

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

Here you see how a box with a 4 pixel rgb(84, 171, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(84, 171,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1806, 0.2615, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 171, 149) }
```

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

```
.background{ background-color: rgb(84, 171,  
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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